### **Features and Benefits**

- Narrow-profile, slotted grid system with 1/4" reveal provides streamlined appearance.
- Reveal accommodates partition attachments and pendantmounted light fixtures.
- Mitered intersections offer a clean, tailored appearance.
- Complies with all national code requirements, including firerated assemblies up to one hour.
- Accepts USG Celebration<sup>™</sup> Snap-In Ceiling Panels for ceiling-area accents without changing grid system.
- High recycled content (HRC) and custom colors are available.
- ICC-ES evaluated for seismic installations (ESR-1222).
- USG Donn<sup>®</sup> Brand Fineline<sup>®</sup> DXF<sup>™</sup>/DXLF<sup>™</sup> Acoustical Suspension System is part of the Ecoblueprint<sup>™</sup> portfolio – meeting today's sustainability standards. For sustainability documentation go to USG.com or CGCInc.com



Functional Unit – 1 square foot (0.0929 square meters)	Suspension System Cradle-to-Grave (A1-C4)
Global Warming Potential (kg CO <sub>2</sub> eq.)	3.64E-01
Ozone Depletion Potential (kg CFC-11 eq.)	3.15E-10
Acidification Potential (kg SO <sub>2</sub> eq.)	1.01E-03
Eutrophication Potential (kg N eq.)	4.57E-05
Photochemical Ozone Creation Potential (kg O <sub>3</sub> eq.)	1.26E-02
Abiotic Resource Depletion Potential Fossil Fuels (MJ, LHV)	2.16E-01

For over a century, sustainable practices have naturally been an inherent part of our business at USG and CGC. Today, they help shape the innovative products that become the homes where we live, the buildings where we work and the arenas where we play. From the product formulations we choose, to the processes we employ, USG and CGC are committed to designing, manufacturing, and distributing products that minimize overall environmental impacts and contribute toward a healthier living space. We believe that transparency of product information is essential for our stakeholders and Environmental Product Declarations (EPDs) are the next step toward an even more transparent USG and CGC. For additional information, visit usg.com, cgcinc.com and usg.ecomedes.com.





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USG Donn<sup>®</sup> Brand Fineline<sup>®</sup>

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This declaration is an Environmental Product Declaration (EPD) in accordance with ISO 14025 and ISO 21930; 2017. EPDs rely on Life Cycle Assessment (LCA) to provide information on a number of environmental impacts of products over their life cycle. Exclusions: EPDs do not indicate that any environmental or social performance benchmarks are met, and there may be impacts that they do not encompass. LCAs do not typically address the site-specific environmental impacts of raw material extraction, nor are they meant to assess human health toxicity. EPDs can complement but cannot replace tools and certifications that are designed to address these impacts and/or set performance thresholds – e.g. Type 1 certifications, health assessments and declarations, environmental impact assessments, etc.

USG Corporation has sole ownership, liability, and responsibility for this EPD.

Environmental declarations from different programs (ISO 14025) may not be comparable. Comparison of the environmental performance of products using EPD information shall be based on the product's use and impacts at the building or construction works level, and therefore EPDs may not be used for comparability purposes when not considering the whole building life cycle. EPD comparability is only possible when all stages of a life cycle have been considered. However, variations and deviations are possible. Example of variations: Different LCA software and background LCI datasets may lead to differences in results upstream or downstream of the life cycle stages declared.

DECLARATION NUMBER	EPD 658					
EPD TYPE	Product Specific Plant Averaged	Product Specific Plant Averaged EPD				
PROGRAM OPERATOR		ASTM International – 100 Barr Harbor Drive, West Conshohocken, PA USA www.astm.org				
DECLARATION HOLDER	USG Corporation - 550 W. Adan	ns St., Chicago, IL USA				
EPD Type	Type III Declaration per ISO 140	25:2006				
DECLARED PRODUCT	USG Donn <sup>®</sup> Brand Fineline <sup>®</sup> DX	F™/DXLF™ Acoustical Suspension System				
DATE OF ISSUE PERIOD OF VALIDITY	4/1/24 5 Years					
CORE STANDARD	ISO 21930					
CORE PCR	Related Product and Services in	ory Rules for Construction Products for Building- North America; Part A: Life Cycle Assessment equirements. v3.2, December 2018				
SUB-CATEGORY PCR	UL Environment: PCR Guidance	for Building-Related Products and Services; Requirements; January 15, 2020				
ACLCA PCR OPEN STANDARD CONFORMANCE	Transparency					
ACLCA PCR OPEN STANDARD VERSION	Version 1.0   May 25, 2022					
This declaration was independently v 14025 and ISO 21930:2017 □ INTERNAL	erified in accordance with ISO ⊠ EXTERNAL	Tim Brooke, ASTM International				
This life cycle assessment was indep with ISO 14044 and the reference PC		Thomas P. Gloria, Industrial Ecology Consultants				





### 1. Product System Documentation

### **1.1 Product Description**

The USG<sup>™</sup> Donn<sup>®</sup> Brand Fineline<sup>®</sup> DXF<sup>™</sup>/DXLF<sup>™</sup> Acoustical Suspension System is roll formed with a hot dipped galvanized body, and a painted cap. The system is generally used to suspend acoustical ceiling tiles and/or metal panels. It is manufactured by USG in Stockton, CA, and Westlake, OH. It is tested in accordance with ASTM C635 Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings. This EPD covers the USG<sup>™</sup> Donn<sup>®</sup> Brand Fineline<sup>®</sup> DXF<sup>™</sup>/DXLF<sup>™</sup> profiles.

The USG<sup>™</sup> Donn<sup>®</sup> Brand Fineline<sup>®</sup> DXF<sup>™</sup>/DXLF<sup>™</sup> Acoustical Suspension System is covered by the following Construction Specification Institute (CSI) MasterFormat<sup>®</sup> codes.

09 22 26.23 Metal Suspension System09 53 00 Acoustical Ceiling Suspension System09 53 23 Metal Acoustical Ceiling Suspension Assemblies09 54 36 Suspended Decorative Grids

Corresponding applicable UNSPSC codes include:

25172000 Suspension System Components

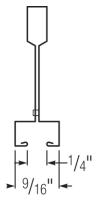
#### **1.2 Designated Application**

The USG<sup>™</sup> Donn<sup>®</sup> Brand Fineline<sup>®</sup> DXF<sup>™</sup>/DXLF<sup>™</sup> Acoustical Suspension System consists of main tees, cross tees and ancillary products (see USG product literature for typical installation instructions) that are assembled to provide a structure for the support of metal or non-metal ceiling panels.

#### **1.3 Product Technical Data**

#### Performance Attributes

- Class A
- Fire-rated
- Evaluated for seismic applications per ICC-ES evaluation report ESR-1222 for allowable values and conditions of use.







#### 1.4 Placing on the Market/Application Rules

The USG<sup>™</sup> Donn<sup>®</sup> Brand Acoustical Suspension System must be installed in accordance with all applicable USG installation guidelines and in accordance with ASTM C636 Standard Practice of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels. An approved installation guide entitled, <u>Acoustical Suspension System – Installation</u> <u>Guide: Suspended Ceiling</u>, is available on usg.com and cgcinc.com.

### 1.5 Delivery Status

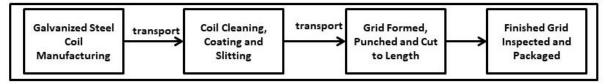
The USG<sup>™</sup> Donn<sup>®</sup> Brand Fineline<sup>®</sup> DXF<sup>™</sup>/DXLF<sup>™</sup> Acoustical Suspension System arrives at the jobsite in cardboard boxes, which have been modeled in this study.

#### **1.6 Product Composition**

Material	USG™ Donn <sup>®</sup> Brand Intermediate Duty Fineline <sup>®</sup> DXF™ Acoustical Suspension System	USG™ Donn <sup>®</sup> Brand Heavy Duty Fineline <sup>®</sup> DXLF™ Acoustical Suspension System				
Galvanized Steel Coil	98.4%	98.4%				
Paint	1.6%	1.6%				
Total	100%	100%				

#### Table 1.2: Product composition

#### **1.7 Product Manufacture**



During the manufacturing process, a piece of coated galvanized steel coil is formed into the proper configuration using a series of driven dies. Steel clips are attached to both ends of the main tee and cross tee members allowing for connection of the various pieces. All process scrap is recycled.

### 1.8 Environment and Health During Manufacturing

USG and CGC have led the building sector's effort in developing and supplying sustainable construction materials. Today, sustainability is integrated into the design and manufacture of every wall, ceiling, and flooring product. As both a producer and a buyer of raw materials, we have a responsibility to review and select each material we use. Each decision we make is based on careful consideration of environmental and safety effects. Raw materials used in our products are carefully selected and go through a screening procedure. This due diligence helps to ensure our products are safe to handle in our manufacturing plants and on job sites while having minimal impact on occupant health and indoor and outdoor environments.





### 1.9 Packaging

The USG<sup>™</sup> Donn<sup>®</sup> Brand Fineline<sup>®</sup> DXF<sup>™</sup>/DXLF<sup>™</sup> Acoustical Suspension System is packaged in cardboard boxes. USG encourages the proper recycling of these cardboard boxes. Both the production and disposal of these packaging materials were modeled in this study

#### 1.10 Conditions of Use

To ensure the longevity of the product, USG<sup>™</sup> Donn<sup>®</sup> Brand Fineline<sup>®</sup> DXF<sup>™</sup>/DXLF<sup>™</sup> Acoustical Suspension System should not be exposed to moisture, high humidity, or high temperature. Details for conditions of use may be found in the product specifications.

### 1.11 Distribution

The default transport distances per PCR (product transport from the point of manufacture to building site) of 497 miles (800 km) by diesel powered truck/trailer were used in this analysis.

#### 1.12 Product Installation

The USG<sup>™</sup> Donn<sup>®</sup> Brand Fineline<sup>®</sup> DXF<sup>™</sup>/DXLF<sup>™</sup> Acoustical Suspension System must be installed according to ASTM C636, ASTM E580, CISCA and USG requirements. Alternate installation methods may be used when approved by the authority having jurisdiction. An approved installation guide entitled, <u>Acoustical Suspension System – Installation</u> <u>Guide: Suspended Ceiling</u>, is available on usg.com and cgcinc.com. Installation of this product is accomplished by manual labor using mostly hand tools. No material or energy inputs are required on the jobsite. Per the PCR, a 7% waste factor was used in this LCA study.

#### 1.13 Environment and Health During Use Stage

This product is not expected to produce any unusual hazards during normal use.

#### 1.14 Reference Service Life

The USG<sup>™</sup> Donn<sup>®</sup> Brand Fineline<sup>®</sup> DXF<sup>™</sup>/DXLF<sup>™</sup> Acoustical Suspension System is a metal ceiling suspension system. Once installed, it should require no maintenance, refurbishment, or replacement. Accordingly, a default RSL of 75 years is assumed for this product. An assumed Estimated Service Life (ESL) of 75 years shall be used for building life.

#### 1.15 Re-Use Phase

With proper care, USG<sup>™</sup> Donn<sup>®</sup> Brand Fineline<sup>®</sup> DXF<sup>™</sup>/DXLF<sup>™</sup> Acoustical Suspension System components are designed for disassembly and may be reused at the end of a building's life.

#### 1.16 End-of-Life Disposal

USG<sup>™</sup> Donn<sup>®</sup> Brand Fineline<sup>®</sup> DXF<sup>™</sup>/DXLF<sup>™</sup> Acoustical Suspension System components are assumed to be recycled at end of life. Product disposal was modeled according to the guidelines provided in Part A, Table 2 (Product Disposal Assumptions by Region).





### 1.17 – Extraordinary Effects

### Fire

All products covered by this EPD are certified to be Class A (flame spread of 25 or less, smoke developed of 50 or less per ASTM E84 or CAN ULc S102).

### 1.17.1 – Further Information

Further information can be found at usg.com and cgcinc.com.

### 2. LCA Calculation Rules

### 2.1 EPD Type

This EPD is a product specific, plant averaged EPD.

#### 2.2 Functional Unit

The functional unit is defined as 0.092 square meters with optional reporting of one square foot (12"x12") of installed product.

	Donn <sup>®</sup> Brand Fineline <sup>®</sup> Intermediate Duty DXF™/DXLF™ Acoustical Suspension Grid	Donn <sup>®</sup> Brand Fineline <sup>®</sup> Heavy Duty DXF™/DXLF™ Acoustical Suspension Grid
Functional Unit	1.19E+00 kg/sm	1.22E+00 kg/sm

#### Table 2.1: Functional unit

#### 2.2 System Boundary

This EPD represents a "cradle-to-grave" LCA analysis for USG<sup>™</sup> Donn<sup>®</sup> Brand Fineline<sup>®</sup> DXF<sup>™</sup>/DXLF<sup>™</sup> Acoustical Suspension System. It covers all the production steps from raw material extraction (i.e., the cradle) to end of life disposal (grave).

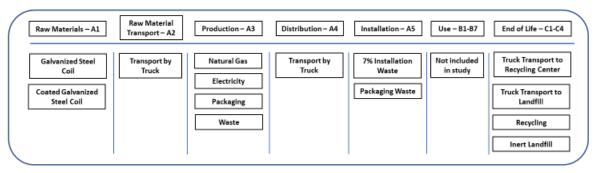


Figure 2.1: Specific processes covered by this EPD by life cycle stage





### 2.3 Estimates and Assumptions

The results are limited by the use of proxy processes rather than actual supplier generated primary data. This would include such processes as the production of the aluminum coil, which is specific to North America and covers the coil thickness used in this product but is not specific to the manufacturer used by USG. In addition, the data is limited in that the primary data was collected during 2022 and changes in operations may increase/decrease impacts in the future. Other data limitations include the use of secondary data sets instead of primary data for upstream and downstream processes, local impacts vs. global impacts, possible impacts vs. actual impacts, inherent uncertainty in the data sets, accuracy, and precision of impact assessment methodology, etc. Both human activity and capital equipment were excluded from the system boundary.

### 2.4 Cut-off Criteria

The requirements for the exclusion of inputs and outputs (cut-off rules) follows the guidance in ISO 21930 Section 7.1.8.

### 2.5 Background Data

All background was sourced from critically reviewed LCA for Experts databases from Sphera.

#### 2.6 Data Requirements and Data Sources

The LCA model was created using the LCA for Experts software from Sphera (Version 10.7.1.28; Schema 8007). Specific comments related to data quality requirements cited in ISO 14025 Section 4.2.3.6.2 include the following.

**Temporal:** In the case of production, the LCI data was collected for the 2022 production year.

Geographical: Where possible, all processes were chosen as being representative of US manufacturing processes.

**Technical:** Where possible, the data selected for this study is specific to the technology used in the preparation of the various raw materials.

Precision: The raw material usage amounts were derived from plant data.

**Completeness:** Virtually all the significant raw material flows (> 99.9%) have been modeled.

**Representative:** Where possible all the data sets were selected to be representative of US-based production, are less than 10 years in age and are representative of the technology being employed.

**Consistency:** All the manufacturing processes were modeled in a consistent manner throughout this study in accordance with the goal and scope definitions.

**Reproducibility:** The information contained in this study, including raw material, energy and transportation distance inputs, have been fully documented in the LCA report.

**Sources of Data:** The sources for the processes used in this study have been fully provided in the LCA report and are representative of the material and energy sources used in actual production.

**Uncertainty:** The relative uncertainty associated with this study has been minimized. No significant assumptions have been made.





### 2.7 Period Under Review

All raw material and energy inputs are for the 2022 calendar year.

### 2.8 Allocation

No allocation was required in this study. The LCI data was collected for the 2022 production year.

## 3. LCA: Scenarios and additional technical information

Name	USG™ Donn <sup>®</sup> Brand Fineline <sup>®</sup> Intermediate Duty DXF™/DXLF™ Acoustical Suspension System	USG™ Donn <sup>®</sup> Brand Fineline <sup>®</sup> Heavy Duty DXF™/DXLF™ Acoustical Suspension System	Unit
Fuel type	Diesel	Diesel	-
Liters of fuel (including packaging)	2.87E-03	2.95E-03	l/100km/sm
Vehicle type	US Truck	US Truck	-
Transport distance	800	800	km
Capacity	0.67	0.67	
Gross density of products transported (assembly only)	7,700	7,700	kg/m <sup>3</sup>

#### Table 3.1. Transport to the building site (A4)

#### Table 3.2. Installation into the building (A5)

Nаме	VALUE	Unit
Ancillary materials	0	kg/sm
Net freshwater consumption specified by water source and fate	0	m³
Other resources	0	kg
Electricity consumption	0	kWh
Other energy carriers	0	MJ
Material loss	7	%
Mounting System (CPMS)	0	kg/sm
Output substances following waste treatment on site	0	%
Dust in the air	~ 0	kg
VOC content	< 9	µg/m³





#### Table 3.3. Use or application of the installed product (B1)

NAME	VALUE	Unit
RSL	75	years
VOC	< 9	µg/m³

#### Table 3.4. Maintenance (B2)

NAME	VALUE	Unit						
Maintenance process information	As required by the PCR, a standard Life expectancy for ceiling panels based on historic practices of 75 years shall be used. No maintenance is required.							
Maintenance cycle	0	Number/ RSL						
Maintenance cycle	0	Number/ ESL						
Water consumption	0	m³						
Auxiliary	0	kg						
Other resources	0	kg						
Electricity consumption	0	kWh						
Other energy carriers	0	MJ						
Material loss	0	kg						





Name		USG™ Donn <sup>®</sup> Brand Fineline <sup>®</sup> Intermediate Duty DXF™/DXLF™ Acoustical Suspension System	USG™ Donn <sup>®</sup> Brand Fineline <sup>®</sup> Heavy Duty DXF™/DXLF™ Acoustical Suspension System	Unit
Collection	Collected	0	0	kg
process (specified by type)	Collected with mixed construction waste	0	0	kg/sm
	Reuse	0	0	kg
	Recycling (steel)	8.82E-01	9.04E-01	kg/sm
Recovery	Landfill (steel)	3.10E-01	3.18E-01	kg/sm
(specified by type)	Incineration	0	0	kg
	Incineration with	0	0	kg
	Energy conversion	0	0	-
Disposal	Product or material for final deposition	1.19E+00	1.22E+00	kg/sm
	f biogenic carbon ng packaging)	0	0	kg/sm

#### Table 3.5. End of Life (C1-C4)





### 4. Environmental Indicators Derived from LCA

### 4.1 Life Cycle Assessment Results

	Produ	uct stag	e	Construction process stage		Use stage				End of life stage					
Raw Material Supply	Transport	Manufacturing	Transport	Construction-Installation Process	Use	Maintenance	Repair	Replacement	Refurbishment	Operational Energy Use	Operational water Use	De-construction Demolition	Transport	Waste processing	Disposal
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	X	Х	Х	Х

#### Figure 2: System Boundary

The following tables provide the LCA results for the USG <sup>™</sup> Donn<sup>®</sup> Brand Fineline<sup>®</sup> DXF<sup>™</sup>/DXLF<sup>™</sup> Acoustical Suspension System. These results are for the USG grid plants in Stockton, CA, and Westlake, OH with the results weighted using the production volume for each product at each plant. The results presented below are derived from an LCA study on a hypothetical 20'x50' ceiling with component quantities provided by the USG Ceilings Material Estimator, which can be found on the usg.com website.

North American LCA Environmental Impacts - 1 Square Meter of Donn <sup>®</sup> Brand Intermediate Duty Fineline <sup>®</sup> DXF™/DXLF™ Grid - 2'X2' Layout											
Environmental Impact Category Units A1-A3 A4 A5 C1 C2 C3 C4 Total A1-C4 D											
Global Warming Potential, excl. biogenic carbon (GWP)	kg CO2 eq.	3.51E+00	6.19E-02	3.24E-01	0.00E+00	1.48E-02	0.00E+00	4.60E-03	3.92E+00	-1.63E+00	
Ozone Depletion Potential (ODP)	kg CFC 11-eq.	3.15E-09	1.61E-16	2.37E-10	0.00E+00	3.86E-17	0.00E+00	2.43E-17	3.39E-09	4.45E-14	
Acidification Potential (AP)	kg SO2 eq.	9.79E-03	2.48E-04	8.09E-04	0.00E+00	3.64E-05	0.00E+00	2.87E-05	1.09E-02	-3.24E-03	
Eutrophication Potential (EP)	kg N eq.	4.08E-04	2.29E-05	5.53E-05	0.00E+00	4.03E-06	0.00E+00	1.24E-06	4.92E-04	-1.94E-04	
Photochemical Ozone Creation Potential (POCP)	kg O3-Equiv.	1.18E-01	5.74E-03	9.94E-03	0.00E+00	8.30E-04	0.00E+00	5.50E-04	1.35E-01	-3.50E-02	
Abiotic Depletion Potential (ADP) fossil fuels	MJ surplus energy	2.00E+00	1.16E-01	1.71E-01	0.00E+00	2.78E-02	0.00E+00	7.80E-03	2.33E+00	-2.07E-03	

North American LCA Environmental Impacts - 1 Square Foot of Donn <sup>®</sup> Brand Intermediate Duty Fineline <sup>®</sup> DXF™/DXLF™ Grid - 2'X2' Layout											
Environmental Impact Category Units A1-A3 A4 A5 C1 C2 C3 C4 Total A1-C4 D											
Global Warming Potential, excl. biogenic carbon (GWP)	kg CO2 eq.	3.26E-01	5.75E-03	3.01E-02	0.00E+00	1.38E-03	0.00E+00	4.27E-04	3.64E-01	-1.51E-01	
Ozone Depletion Potential (ODP)	kg CFC 11-eq.	2.93E-10	1.49E-17	2.20E-11	0.00E+00	3.59E-18	0.00E+00	2.26E-18	3.15E-10	4.14E-15	
Acidification Potential (AP)	kg SO2 eq.	9.10E-04	2.31E-05	7.52E-05	0.00E+00	3.38E-06	0.00E+00	2.67E-06	1.01E-03	-3.01E-04	
Eutrophication Potential (EP)	kg N eq.	3.80E-05	2.13E-06	5.14E-06	0.00E+00	3.74E-07	0.00E+00	1.15E-07	4.57E-05	-1.80E-05	
Photochemical Ozone Creation Potential (POCP)	kg O3-Equiv.	1.10E-02	5.33E-04	9.23E-04	0.00E+00	7.71E-05	0.00E+00	5.11E-05	1.26E-02	-3.25E-03	
Abiotic Depletion Potential (ADP) fossil fuels	MJ surplus energy	1.86E-01	1.08E-02	1.58E-02	0.00E+00	2.59E-03	0.00E+00	7.25E-04	2.16E-01	-1.92E-04	





	th American L Brand Heavy			•						
Environmental Impact Category	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Global Warming Potential, excl. biogenic carbon (GWP)	kg CO2 eq.	3.59E+00	6.33E-02	3.30E-01	0.00E+00	1.52E-02	0.00E+00	4.71E-03	4.00E+00	-1.67E+00
Ozone Depletion Potential (ODP)	kg CFC 11-eq.	3.15E-09	1.64E-16	2.37E-10	0.00E+00	3.95E-17	0.00E+00	2.49E-17	3.39E-09	4.56E-14
Acidification Potential (AP)	kg SO2 eq.	9.97E-03	2.54E-04	8.23E-04	0.00E+00	3.73E-05	0.00E+00	2.94E-05	1.11E-02	-3.32E-03
Eutrophication Potential (EP)	kg N eq.	4.17E-04	2.35E-05	5.62E-05	0.00E+00	4.12E-06	0.00E+00	1.27E-06	5.02E-04	-1.99E-04
Photochemical Ozone Creation Potential (POCP)	kg O3-Equiv.	1.21E-01	5.87E-03	1.01E-02	0.00E+00	8.50E-04	0.00E+00	5.63E-04	1.38E-01	-3.58E-02
Abiotic Depletion Potential (ADP) fossil fuels	MJ surplus energy	2.05E+00	1.18E-01	1.74E-01	0.00E+00	2.85E-02	0.00E+00	7.99E-03	2.38E+00	-2.12E-03

No	rth American L	.CA Envir	ronmenta	I Impacts	- 1 Squa	re Foot o	f			
Donn <sup>®</sup>	Brand Heavy	Duty Fine	eline <sup>®</sup> DX	F™/DXLF	-™ Grid -	2'X2' Lay	out			
Environmental Impact Category	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Global Warming Potential, excl. biogenic carbon (GWP)	kg CO2 eq.	3.34E-01	5.88E-03	3.07E-02	0.00E+00	1.41E-03	0.00E+00	4.38E-04	3.72E-01	-1.55E-01
Ozone Depletion Potential (ODP)	kg CFC 11-eq.	2.93E-10	1.53E-17	2.21E-11	0.00E+00	3.67E-18	0.00E+00	2.31E-18	3.15E-10	4.24E-15
Acidification Potential (AP)	kg SO2 eq.	9.26E-04	2.36E-05	7.65E-05	0.00E+00	3.47E-06	0.00E+00	2.73E-06	1.03E-03	-3.09E-04
Eutrophication Potential (EP)	kg N eq.	3.87E-05	2.18E-06	5.22E-06	0.00E+00	3.83E-07	0.00E+00	1.18E-07	4.66E-05	-1.85E-05
Photochemical Ozone Creation Potential (POCP)	kg O3-Equiv.	1.12E-02	5.46E-04	9.43E-04	0.00E+00	7.90E-05	0.00E+00	5.23E-05	1.28E-02	-3.33E-03
Abiotic Depletion Potential (ADP) fossil fuels	MJ surplus energy	1.90E-01	1.10E-02	1.62E-02	0.00E+00	2.65E-03	0.00E+00	7.42E-04	2.21E-01	-1.97E-04

Nort	h American LCA Environmental Impacts - 1 Metric Ton of	

Donn <sup>®</sup> Bra	and Intermedia	ate Duty F	Fineline®	DXF™/D	KLF™ Gr	'id - 2'X2'	Layout			
Environmental Impact Category	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Global Warming Potential, excl. biogenic carbon (GWP)	kg CO2 eq.	2.94E+03	5.19E+01	2.71E+02	0.00E+00	1.24E+01	0.00E+00	3.86E+00	3.28E+03	-1.37E+03
Ozone Depletion Potential (ODP)	kg CFC 11-eq.	2.64E-06	1.35E-13	1.99E-07	0.00E+00	3.24E-14	0.00E+00	2.04E-14	2.84E-06	3.73E-11
Acidification Potential (AP)	kg SO2 eq.	8.21E+00	2.08E-01	6.78E-01	0.00E+00	3.05E-02	0.00E+00	2.41E-02	9.15E+00	-2.72E+00
Eutrophication Potential (EP)	kg N eq.	3.43E-01	1.92E-02	4.64E-02	0.00E+00	3.38E-03	0.00E+00	1.04E-03	4.13E-01	-1.63E-01
Photochemical Ozone Creation Potential (POCP)	kg O3-Equiv.	9.90E+01	4.81E+00	8.33E+00	0.00E+00	6.96E-01	0.00E+00	4.61E-01	1.13E+02	-2.93E+01
Abiotic Depletion Potential (ADP) fossil fuels	MJ surplus energy	1.68E+03	9.70E+01	1.43E+02	0.00E+00	2.33E+01	0.00E+00	6.54E+00	1.95E+03	-1.74E+00

North American LCA Environmental Impacts - 1 Metric Ton of	
Donn <sup>®</sup> Brand Hoavy Duty Finalina <sup>®</sup> DYEIM/DYLEIM Grid 2'Y2' Lavo	

Donn	Brand Heavy	Duty Fine	eline DX		- III Grid -	2 X2 Lay	out			
Environmental Impact Category	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Global Warming Potential, excl. biogenic carbon (GWP)	kg CO2 eq.	2.94E+03	5.18E+01	2.70E+02	0.00E+00	1.24E+01	0.00E+00	3.86E+00	3.28E+03	-1.37E+03
Ozone Depletion Potential (ODP)	kg CFC 11-eq.	2.58E-06	1.34E-13	1.94E-07	0.00E+00	3.24E-14	0.00E+00	2.04E-14	2.78E-06	3.73E-11
Acidification Potential (AP)	kg SO2 eq.	8.16E+00	2.08E-01	6.74E-01	0.00E+00	3.05E-02	0.00E+00	2.41E-02	9.10E+00	-2.72E+00
Eutrophication Potential (EP)	kg N eq.	3.41E-01	1.92E-02	4.60E-02	0.00E+00	3.38E-03	0.00E+00	1.04E-03	4.11E-01	-1.63E-01
Photochemical Ozone Creation Potential (POCP)	kg O3-Equiv.	9.88E+01	4.81E+00	8.31E+00	0.00E+00	6.96E-01	0.00E+00	4.61E-01	1.13E+02	-2.93E+01
Abiotic Depletion Potential (ADP) fossil fuels	MJ surplus energy	1.68E+03	9.70E+01	1.43E+02	0.00E+00	2.33E+01	0.00E+00	6.54E+00	1.95E+03	-1.74E+00





Paga	Irce Usage	e for 1 S	nuaro Mo	tor of						
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte					rid - 2'X2'	Layout				
Use of Primary Resources	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Renewable primary resources used as an energy carrier (RPRE)	MJ, NCV	2.92E+00	3.49E-02	2.29E-01	0.00E+00	8.38E-03	0.00E+00	8.38E-03	3.20E+00	6.47E-01
Renewable primary resources with energy content used as material (RPRM)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Non-renewable primary resources used as an energy carrier (NRPRE)	MJ, NCV	4.14E+01	8.75E-01	3.26E+00	0.00E+00	2.10E-01	0.00E+00	6.22E-02	4.58E+01	-1.64E+01
Non-renewable primary resources with energy content used as material (NRPRM)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Secondary material, secondary fuel and recovered energy	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Secondary material (SM)	kg	4.04E-03	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-03	0.00E+00
Renewable secondary fuel (RSF)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Non-renewable secondary fuel (NRSF)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Renewable energy (RE)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Consumption of fresh water	m3	2.16E-01	1.20E-04	1.62E-02	0.00E+00	2.87E-05	0.00E+00	1.54E-05	2.32E-01	-1.67E-01
										-
Additional inventory parameters for transparency	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Removals and emissions associated with biogenic carbon content of the bio-based product	kg CO2-eq.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Emission from calcination and uptake from carbonation	kg CO2-eq.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Removals and emissions associated with biogenic carbon content of the bio-based packaging	kg CO2-eq.	-7.88E-04	0.00E+00	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Emissions from land use change	kg CO2-eq.	6.75E-04	7.06E-05	6.22E-05	0.00E+00	1.70E-05	0.00E+00	1.38E-05	8.38E-04	-2.19E-04
Emissions from combustion of waste from renewable sources used in production processes	kg CO2-eq.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Emissions from combustion of waste from non-renewable sources used in production processes	kg CO2-eq.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
In direction descellation mode									Total A1-C4	D
Indicators describing waste	Units	A1-A3	A4	A5	C1	C2	C3	C4		-
Hazardous waste disposed	kg	2.74E-05	2.52E-12	2.06E-06	0.00E+00	6.05E-13	0.00E+00	6.61E-12	2.95E-05	-1.23E-07
Non-hazardous waste disposed	kg	1.44E-01	7.61E-05	6.62E-02	0.00E+00	1.83E-05	0.00E+00	3.10E-01	5.21E-01	1.98E-01
High-level radioactive waste	kg	1.56E-04	2.51E-06	1.27E-05	0.00E+00	6.03E-07	0.00E+00	6.52E-07	1.72E-04	1.80E-06
Intermediate and low-level waste	kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Assignments of output flows at the end-of-life	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Components for re-use (CRU)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling (MR)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery (MER)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recovered energy exported (EE)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			0.00E+00	0.00E+00	0.002100	0.002400	0.002400	0.002400	0.002400	0.002400
Reso	urce Usag				0.002.00	0.002400	0.002400	0.002400	0.002400	0.002400
	urce Usag	es for 1 S	quare Fo	ot of			0.002400	0.002400	0.002400	0.002+00
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte		es for 1 S	quare Fo	ot of	rid - 2'X2'	Layout				
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte	rmediate Units	es for 1 S Duty DXF A1-A3	quare Fo ™/DXLF⊺ A4	ot of M Duty G A5	rid - 2'X2'	Layout C2	C3	C4	Total A1-C4	D
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE)	MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01	quare Fo ™/DXLF⊺ A4 3.24E-03	ot of M Duty Gi A5 2.13E-02	rid - 2'X2' <u>C1</u> 0.00E+00	Layout <u> C2</u> 7.79E-04	C3 0.00E+00	C4 7.78E-04	Total A1-C4 2.98E-01	D 6.01E-02
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM)	MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00	quare Fo ™/DXLF <sup>™</sup> A4 3.24E-03 0.00E+00	ot of <sup>M</sup> Duty Gi A5 2.13E-02 0.00E+00	rid - 2'X2' C1 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E+00	C3 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00	Total A1-C4 2.98E-01 0.00E+00	D 6.01E-02 0.00E+00
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources used as an energy carrier (NRPRE)	MJ, NCV MJ, NCV MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00	Quare Fo ™/DXLF <sup>™</sup> 3.24E-03 0.00E+00 8.13E-02	ot of <sup>M</sup> Duty Gi <u>A5</u> 2.13E-02 0.00E+00 3.03E-01	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02	C3 0.00E+00 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03	Total A1-C4 2.98E-01 0.00E+00 4.25E+00	D 6.01E-02 0.00E+00 -1.52E+00
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM)	MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00	quare Fo ™/DXLF <sup>™</sup> A4 3.24E-03 0.00E+00	ot of <sup>M</sup> Duty Gi A5 2.13E-02 0.00E+00	rid - 2'X2' C1 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E+00	C3 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00	Total A1-C4 2.98E-01 0.00E+00	D 6.01E-02 0.00E+00
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources used as an energy carrier (NRPRE)	MJ, NCV MJ, NCV MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00	Quare Fo ™/DXLF <sup>™</sup> 3.24E-03 0.00E+00 8.13E-02	ot of <sup>M</sup> Duty Gi <u>A5</u> 2.13E-02 0.00E+00 3.03E-01	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02	C3 0.00E+00 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03	Total A1-C4 2.98E-01 0.00E+00 4.25E+00	D 6.01E-02 0.00E+00 -1.52E+00
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources used as an energy carrier (NRPRE) Non-renewable primary resources with energy content used as material (NRPRM)	MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00	quare Fo ™/DXLF™ 44 3.24E-03 0.00E+00 8.13E-02 0.00E+00	ot of M Duty Gi 2.13E-02 0.00E+00 3.03E-01 0.00E+00	rid - 2'X2' <u>C1</u> 0.00E+00 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00	Total A1-C4 2.98E-01 0.00E+00 4.25E+00 0.00E+00	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources with energy content used as material (NRPRE) Non-renewable primary resources with energy content used as material (NRPRM) Secondary material, secondary fuel and recovered energy	MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 A1-A3	quare Fo ™/DXLF™ A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 A4	ot of M Duty Gi A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 A5	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C1	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 C2	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C3	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 C4	Total A1-C4 2.98E-01 0.00E+00 4.25E+00 0.00E+00 Total A1-C4	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 D
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources used as an energy carrier (NRPRE) Non-renewable primary resources with energy content used as material (NRPRM) Secondary material, secondary fuel and recovered energy Secondary material (SM)	rmediate I Units MJ, NCV MJ, NCV MJ, NCV MJ, NCV Units kg	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 A1-A3 3.75E-04	Quare Fo ™/DXLF <sup>™</sup> 3.24E-03 0.00E+00 8.13E-02 0.00E+00 A4 0.00E+00	ot of M Duty Gi 2.13E-02 0.00E+00 3.03E-01 0.00E+00 A5 2.82E-05	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 C1 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 C2 0.00E+00	C3 0.00E+00 0.00E+00 0.00E+00 C3 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 C4 0.00E+00	Total A1-C4 2.98E-01 0.00E+00 4.25E+00 0.00E+00 Total A1-C4 4.03E-04	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 D 0.00E+00
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte           Use of Primary Resources           Renewable primary resources used as an energy carrier (RPRE)           Renewable primary resources with energy content used as material (RPRM)           Non-renewable primary resources with energy content used as material (NRPRE)           Non-renewable primary resources with energy content used as material (NRPRM)           Secondary material, secondary fuel and recovered energy           Secondary material (SM)           Renewable secondary fuel (RSF)	rmediate I Units MJ, NCV MJ, NCV MJ, NCV MJ, NCV Units kg MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 A1-A3 3.75E-04 0.00E+00	Quare Fo ™/DXLF <sup>™</sup> 3.24E-03 0.00E+00 8.13E-02 0.00E+00 A4 0.00E+00 0.00E+00	ot of M Duty Gi 2.13E-02 0.00E+00 3.03E-01 0.00E+00 A5 2.82E-05 0.00E+00	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C1 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 C2 0.00E+00 0.00E+00	C3 0.00E+00 0.00E+00 0.00E+00 C3 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 C4 0.00E+00 0.00E+00	Total A1-C4 2.98E-01 0.00E+00 4.25E+00 0.00E+00 Total A1-C4 4.03E-04 0.00E+00	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 D 0.00E+00 0.00E+00
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources used as an energy carrier (NRPRE) Non-renewable primary resources with energy content used as material (NRPRM) Secondary material, secondary fuel and recovered energy Secondary material (SM) Renewable secondary fuel (RSF) Non-renewable secondary fuel (NRSF)	rmediate Units MJ, NCV MJ, NCV MJ, NCV MJ, NCV Units kg MJ, NCV MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 A1-A3 3.75E-04 0.00E+00 0.00E+00	Quare Fo ™/DXLFT A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00	ot of M Duty Gi A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 A5 2.82E-05 0.00E+00 0.00E+00	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 C4 0.00E+00 0.00E+00 0.00E+00	Total A1-C4 2.98E-01 0.00E+00 4.25E+00 0.00E+00 Total A1-C4 4.03E-04 0.00E+00 0.00E+00	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Donn® Brand Fineline® Inte           Use of Primary Resources         Renewable primary resources used as an energy carrier (RPRE)           Renewable primary resources with energy content used as material (RPRM)           Non-renewable primary resources used as an energy carrier (NRPRE)           Non-renewable primary resources with energy content used as material (NRPRM)           Secondary material, secondary fuel and recovered energy           Secondary material (SM)           Renewable secondary fuel (RSF)           Non-renewable energy (RE)	MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Quare Fo ™/DXLFT A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	ot of <sup>M</sup> Duty Gi A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C3 0.00E+00 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 C4 0.00E+00 0.00E+00 0.00E+00	Total A1-C4 2.98E-01 0.00E+00 4.25E+00 0.00E+00 Total A1-C4 4.03E-04 0.00E+00 0.00E+00	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Donn® Brand Fineline® Inte           Use of Primary Resources         Renewable primary resources used as an energy carrier (RPRE)           Renewable primary resources with energy content used as material (RPRM)           Non-renewable primary resources used as an energy carrier (NRPRE)           Non-renewable primary resources with energy content used as material (NRPRM)           Secondary material, secondary fuel and recovered energy           Secondary material (SM)           Renewable secondary fuel (RSF)           Non-renewable energy (RE)	MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Quare Fo ™/DXLFT A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	ot of <sup>M</sup> Duty Gi A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C3 0.00E+00 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 C4 0.00E+00 0.00E+00 0.00E+00	Total A1-C4 2.98E-01 0.00E+00 4.25E+00 0.00E+00 Total A1-C4 4.03E-04 0.00E+00 0.00E+00	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Donn® Brand Fineline® Inte           Use of Primary Resources         Renewable primary resources used as an energy carrier (RPRE)           Renewable primary resources with energy content used as material (RPRM)         Non-renewable primary resources used as an energy carrier (NRPRE)           Non-renewable primary resources with energy content used as material (NRPRM)         Secondary material, secondary fuel and recovered energy           Secondary material, secondary fuel and recovered energy         Secondary material (SM)           Renewable secondary fuel (RSF)         Non-renewable energy (RE)           Consumption of fresh water         Consumption of fresh water	MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV Units kg MJ, NCV MJ, NCV MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.00E-02	Quare Fo ™/DXLF 1 A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.11E-05	ot of M Duty Gr A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.51E-03	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.67E-06	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 C4 0.00E+00 0.00E+00 0.00E+00 1.43E-06	Total A1-C4 2.98E-01 0.00E+00 4.25E+00 0.00E+00 Total A1-C4 4.03E-04 0.00E+00 0.00E+00 2.16E-02	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 -1.55E-02
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources with energy content used as material (NRPR) Non-renewable primary resources with energy content used as material (NRPRM) Secondary material, secondary fuel and recovered energy Secondary material (SM) Renewable secondary fuel (RSF) Non-renewable secondary fuel (RSF) Renewable energy (RE) Consumption of fresh water Additional inventory parameters for transparency	MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV Units Kg MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 A1-A3 3.75E-04 0.00E+00 0.00E+00 0.00E+00 0.00E+02 A1-A3	quare Fo ™/DXLFT A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.11E-05 A4	ot of M Duty Gr A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 A5 2.82E-05 0.00E+00 0.00E+00 0.00E+00 1.51E-03 A5	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C1	Layout C2 7.79E-04 0.00E-00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.67E-06 C2	C3 0.00E+00 0.00E+00 0.00E+00 C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C3	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 C4 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.43E-06 C4	Total A1-C4           2.98E-01           0.00E+00           4.25E+00           0.00E+00           Total A1-C4           4.03E+04           0.00E+00           0.00E+00           2.16E+02           Total A1-C4	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+02 0.00E+02 D
Bonn® Brand Fineline® Inte           Use of Primary Resources         Enewable primary resources used as an energy carrier (RPRE)           Renewable primary resources with energy content used as material (RPRM)           Non-renewable primary resources with energy content used as material (RPRM)           Non-renewable primary resources with energy content used as material (NRPRM)           Secondary material, secondary fuel and recovered energy           Secondary material, Secondary fuel and recovered energy           Secondary material (SM)           Renewable secondary fuel (RSF)           Non-renewable secondary fuel (NRSF)           Renewable secondary fuel (NRSF)           Renewable secondary fuel (RSF)           Renewable secondary fuel (RSF) <td>rmediate l Units MJ, NCV MJ, NCV</td> <td>es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 A1-A3 3.75E-04 0.00E+00 0.00E+00 0.00E+00 2.00E-02 A1-A3 0.00E+00</td> <td>quare Fo ™/DXLFT A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.11E-05 A4 0.00E+00</td> <td>ot of M Duty Gr A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.51E-03 A5 0.00E+00</td> <td>rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C1 0.00E+00</td> <td>Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.67E-06 C2 0.00E+00</td> <td>C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C3 0.00E+00 C3 0.00E+00</td> <td>C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.43E-06 C4 0.00E+00</td> <td>Total A1-C4           2.98E-01           0.00E+00           4.25E+00           0.00E+00           Total A1-C4           4.03E+04           0.00E+00           0.00E+00           0.00E+00           2.16E+02           Total A1-C4           0.00E+00</td> <td>D 6.01E-02 0.00E+00 1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00</td>	rmediate l Units MJ, NCV MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 A1-A3 3.75E-04 0.00E+00 0.00E+00 0.00E+00 2.00E-02 A1-A3 0.00E+00	quare Fo ™/DXLFT A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.11E-05 A4 0.00E+00	ot of M Duty Gr A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.51E-03 A5 0.00E+00	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C1 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.67E-06 C2 0.00E+00	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C3 0.00E+00 C3 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.43E-06 C4 0.00E+00	Total A1-C4           2.98E-01           0.00E+00           4.25E+00           0.00E+00           Total A1-C4           4.03E+04           0.00E+00           0.00E+00           0.00E+00           2.16E+02           Total A1-C4           0.00E+00	D 6.01E-02 0.00E+00 1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Bonn® Brand Fineline® Inte           Use of Primary Resources         Enewable primary resources used as an energy carrier (RPRE)           Renewable primary resources with energy content used as material (RPRM)         Non-renewable primary resources used as an energy carrier (NRPRE)           Non-renewable primary resources with energy content used as material (NRPRM)         Secondary material, secondary fuel and recovered energy           Secondary material, secondary fuel and recovered energy         Secondary material (SM)           Renewable secondary fuel (RSF)         Non-renewable secondary fuel (NRSF)           Renewable energy (RE)         Consumption of fresh water           Additional inventory parameters for transparency         Removals and emissions associated with biogenic carbon content of the bio-based product           Emission from calcination and uptake from carbonation         Secondary on the secondary secondary secondary fuel (NRSF)	rrmediate l Units MJ, NCV MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	quare Fo ™/DXLF <sup>T</sup> A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.11E-05 A4 0.00E+00 0.00E+00 0.00E+00 0.00E+00	ot of M Duty G A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 1.51E-03 A5 0.00E+00 1.51E-03 A5 0.00E+00 0.00E+00 0.00E+00 0.00E+00	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C3 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.43E-06 C4 0.00E+00 0.00E+00	Total A1-C4 2.98E-01 0.00E+00 4.25E+00 0.00E+00 7.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Bonn® Brand Fineline® Integ           Use of Primary Resources         Renewable primary resources used as an energy carrier (RPRE)           Renewable primary resources with energy content used as material (RPRM)         Non-renewable primary resources used as an energy carrier (NRPRE)           Non-renewable primary resources with energy content used as material (RPRM)         Non-renewable primary resources with energy content used as material (NRPRM)           Secondary material, secondary fuel and recovered energy         Secondary material (NRPRM)           Secondary material, secondary fuel and recovered energy         Secondary material (NRPRM)           Non-renewable secondary fuel (RSF)         Non-renewable secondary fuel (NRSF)           Renewable energy (RE)         Consumption of fresh water           Additional inventory parameters for transparency         Removals and emissions associated with biogenic carbon content of the bio-based product           Emission from calcination and uptake from carbonation         Removals and emissions associated with biogenic carbon content of the bio-based packaging	rrmediate l Units MJ, NCV MJ, NCV	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+0	quare Fo ™/DXLF <sup>T</sup> A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.11E-05 A4 0.00E+00 0.00E+00 0.00E+00 0.00E+00	ot of M Duty G A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 0.00E	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.43E-06 1.43E-06 C4 0.00E+00 0.00E+00 0.00E+00	Total A1-C4 2.98E-01 0.00E+00 4.25E+00 0.00E+00 Total A1-C4 4.03E-04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Bonn® Brand Fineline® Integ           Use of Primary Resources         Renewable primary resources used as an energy carrier (RPRE)           Renewable primary resources with energy content used as material (RPRM)         Non-renewable primary resources with energy content used as material (RPRM)           Non-renewable primary resources with energy content used as material (NRPRM)         Non-renewable primary resources with energy content used as material (NRPRM)           Secondary material, secondary fuel and recovered energy         Secondary material (NRPRM)           Secondary material (SM)         Renewable secondary fuel (RSF)           Non-renewable energy (RE)         Consumption of fresh water           Additional inventory parameters for transparency         Removals and emissions associated with biogenic carbon content of the bio-based product           Emission from calcination and uptake from carbonation         Removals and emissions associated with biogenic carbon content of the bio-based packaging	Units           MJ, NCV           M	es for 1 S 2.72E-01 0.00E+00 3.84E+00 0.00E+00 3.34E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.00E-02 A1-A3 0.00E+00 0.00E+0	Quare Fo ™/DXLF <sup>T</sup> A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	ot of M Duty G A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 0.00E+00 0.00E+00 1.51E-03 A5 0.00E+00 0.00E+00 7.32E-05 5.78E-06	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.58E-06	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.28E-06	Total A1-C4           2.98E-01           0.00E+00           4.25E+00           0.00E+00           Total A1-C4           4.03E-04           0.00E+00           2.16E-02           Total A1-C4           0.00E+00           7.79E-05	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 -1.55E-02 D 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inter     Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources used as an energy carrier (NRPRE)     Non-renewable primary resources with energy content used as material (NRPM)     Secondary material, secondary fuel and recovered energy     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (NRSF)     Non-renewable secondary fuel (NRSF)     Renewable secondary fuel (NRSF)     Renewable energy (RE)     Consumption of fresh water     Additional inventory parameters for transparency     Removals and emissions associated with biogenic carbon content of the bio-based packaging     Emissions from land use change     Emissions from combustion of waste from renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes	rmediate   Units MJ, NCV MJ, NCV MJ	es for 1 S 2.72E-01 2.72E-01 2.72E-01 2.72E-01 0.00E+00 3.84E+00 0.00	Quare Fo ™/DXLF <sup>T</sup> A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	ot of <sup>M</sup> Duty G A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.51E-03 A5 0.00E+00 0.00E+00 0.00E+00 7.32E-05 5.78E-06 0.00E+00 0.00E+00	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.43E-06 C4 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Total A1-C4 2.98E-01 0.00E+00 4.25E+00 0.00E+00 Total A1-C4 4.03E-04 0.00E+00 0.00E+00 0.00E+02 7.01al A1-C4 0.00E+00 0.00E+00 0.00E+00 0.00E+00	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inter     Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources used as an energy carrier (NRPRE)     Non-renewable primary resources with energy content used as material (NRPRM)     Secondary material, secondary fuel and recovered energy     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Renewable secondary fuel (RSF)     Renewable secondary fuel (RSF)     Renewable secondary fuel (RSF)     Renewable energy (RE)     Consumption of fresh water     Additional Inventory parameters for transparency     Removals and emissions associated with biogenic carbon content of the bio-based product     Emissions from calcination and uptake from carbonation     Removals and emissions associated with biogenic carbon content of the bio-based packaging     Emissions from combustion of waste from renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Indicators describing waste	Units           MJ, NCV           MG, NCV           MJ, NCV           MG, NCV           MJ, NCV           MG, NCV           MG, NCV           MG, NCV           MG, NCV           MJ, NCV           MJ, NCV           MG, NCV <tr td="" ttabla<=""></tr>	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.00E-02 A1-A3 0.00E+00	Quare Fo ™/DXLF <sup>T</sup> A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00	ot of M Duty G A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.51E-03 A5 0.00E+00 0	rid - 2'X2' C1 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.58E-06 0.00E+00 0.00E+00 0.00E+00	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C3	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Total A1-C4           2.98E-01           0.00E+00           4.25E+00           0.00E+00           Total A1-C4           4.03E+04           0.00E+00           0.00E+00           2.16E+02           Total A1-C4           0.00E+00	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte     Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources with energy content used as material (NRPRM)     Non-renewable primary resources with energy content used as material (NRPRM)     Secondary material, secondary fuel and recovered energy     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Renewable secondary fuel (RSF)     Renewable energy (RE)     Consumption of fresh water     Additional inventory parameters for transparency     Removals and emissions associated with biogenic carbon content of the bio-based product     Emission from calcination and uptake from carbonation     Removals and emissions associated with biogenic carbon content of the bio-based packaging     Emissions from combustion of waste from renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Indicators describing waste     Hazardous waste disposed	Units           MJ, NCV           MG, COZ-eq.           kg           Volts           kg	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+0	A4           3.24E-03           0.00E+00           8.13E-02           0.00E+00           A4           0.00E+00	ot of M Duty Gr A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.32E-05 1.92E-07	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C1 0.00E+00 C1 0.00E+00	Layout C2 7.79E-04 0.00E-00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Total A1-C4           2.98E-01           0.00E+00           4.25E+00           0.00E+00           Total A1-C4           4.03E+00           0.00E+00           2.16E+02           Total A1-C4           0.00E+00           2.16E+02           Total A1-C4           0.00E+00           0.00E+00           0.00E+00           7.79E+05           0.00E+00           7.07e+05           0.00E+00           7.07e+05           0.00E+00           7.07e+05           0.00E+00	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte     Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources with energy content used as material (NRPRM)     Secondary material, secondary fuel and recovered energy     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Renewable secondary fuel (RSF)     Consumption of fresh water     Additional inventory parameters for transparency     Removals and emissions associated with biogenic carbon content of the bio-based product     Emission from calcination and uptake from carbonation     Removals and emissions associated with biogenic carbon content of the bio-based packaging     Emissions from combustion of waste from renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in productin processes	Units           MJ, NCV           MG C02-eq.           kg C02-eq.           kg C02-eq.           kg C02-eq.           kg C02-eq.           kg C02-eq.           kg           kg           kg           kg	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E-00 3.84E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.3255E-06 1.34E-02	Quare Fo ™/DXLF T A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0	ot of M Duty G A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 7.32E-05 5.78E-06 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.32E-07 6.15E-03	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E-00 1.95E-02 0.00E+00 0.00	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E	Total A1-C4           2.98E-01           0.00E+00           4.25E+00           0.00E+00           Total A1-C4           4.33E-04           0.00E+00           0.00E+00           2.16E-02           Total A1-C4           0.00E+00           0.00E+00           0.00E+00           0.00E+00           0.00E+00           7.79E-05           0.00E+00           0.00E+00           7.74E-06           4.84E-02	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.14E-08 1.84E-02
Donn® Brand Fineline® Inter           Use of Primary Resources         Renewable primary resources used as an energy carrier (RPRE)           Renewable primary resources with energy content used as material (RPRM)           Non-renewable primary resources with energy content used as material (RPRM)           Non-renewable primary resources with energy content used as material (RPRM)           Non-renewable primary resources with energy content used as material (NRPRM)           Secondary material, secondary fuel and recovered energy           Secondary material, secondary fuel and recovered energy           Secondary material, secondary fuel and recovered energy           Secondary material (SM)           Renewable secondary fuel (RSF)           Non-renewable secondary fuel (NRSF)           Renewable energy (RE)           Consumption of fresh water           Additional inventory parameters for transparency           Removals and emissions associated with biogenic carbon content of the bio-based product           Emission from calcination and uptake from carbonation           Remissions from combustion of waste from renewable sources used in production processes           Emissions from combustion of waste from non-renewable sources used in production processes           Indicators describing waste           Hazardous waste disposed           Non-hazardous waste disposed	Units           MJ, NCV           MG, COZ-eq.           kg           Volts           kg	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.32E-05 1.34E-02 1.45E-05	Quare Fo ™/DXLF <sup>T</sup> A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 A4 0.00E+00 0.00E+	ot of M Duty G A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 1.51E-03 A5 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.52E-07 6.15E-03 1.18E-06	rid - 2'X2' C1 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+0	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C4 0.00E+00 0.00E+00 C4 0.00E+00 0.0	Total A1-C4 2.98E-01 0.00E+00 4.25E+00 0.00E+00 7.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 7.79E-05 0.00E+00 7.74E-05 4.84E-02 1.60E-05	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.1.14E-05 1.1.14E-08 1.
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte     Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources with energy content used as material (NRPRM)     Secondary material, secondary fuel and recovered energy     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Renewable secondary fuel (RSF)     Consumption of fresh water     Additional inventory parameters for transparency     Removals and emissions associated with biogenic carbon content of the bio-based product     Emission from calcination and uptake from carbonation     Removals and emissions associated with biogenic carbon content of the bio-based packaging     Emissions from combustion of waste from renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in productin processes	Units           MJ, NCV           MG C02-eq.           kg C02-eq.           kg C02-eq.           kg C02-eq.           kg C02-eq.           kg C02-eq.           kg           kg           kg           kg	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E-00 3.84E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.3255E-06 1.34E-02	Quare Fo ™/DXLF T A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0	ot of M Duty G A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 7.32E-05 5.78E-06 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.32E-07 6.15E-03	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Layout C2 7.79E-04 0.00E-00 1.95E-02 0.00E+00 0.00	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E	Total A1-C4           2.98E-01           0.00E+00           4.25E+00           0.00E+00           Total A1-C4           4.33E-04           0.00E+00           0.00E+00           2.16E-02           Total A1-C4           0.00E+00           0.00E+00           0.00E+00           0.00E+00           0.00E+00           7.79E-05           0.00E+00           0.00E+00           7.74E-06           4.84E-02	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.14E-08 1.84E-02
Donn® Brand Fineline® Inte           Use of Primary Resources         Renewable primary resources used as an energy carrier (RPRE)           Renewable primary resources with energy content used as material (RPRM)         Non-renewable primary resources with energy content used as material (NRPRM)           Non-renewable primary resources with energy content used as material (NRPRM)         Non-renewable primary resources with energy content used as material (NRPRM)           Secondary material, secondary fuel and recovered energy         Secondary material (SM)           Renewable secondary fuel (RSF)         Non-renewable secondary fuel (RSF)           Non-renewable secondary fuel (RSF)         Renewable energy (RE)           Consumption of fresh water         Consumption of fresh water           Additional inventory parameters for transparency         Removals and emissions associated with biogenic carbon content of the bio-based product           Emission from calcination and uptake from carbonation         Removals and emission of wassociated with biogenic carbon content of the bio-based packaging           Emissions from combustion of waste from renewable sources used in production processes         Emissions from combustion of waste from non-renewable sources used in production processes           Indicators describing waste         Non-hazardous waste disposed         Nigh-level radioactive waste           Intermediate and low-level waste         Intermediate and low-level waste         Intermediate and low-level waste	Units           MJ, NCV           MG, CO2-eq.           kg           kg           kg           kg           kg           kg           kg           kg	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.32E-05 1.34E-02 1.45E-05 N/A	Quare Fo ™/DXLF <sup>T</sup> A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00	ot of M Duty G 2.13E-02 0.00E+00 3.03E-01 0.00E+00 4.5 2.82E-05 0.00E+00 0.00E+00 0.00E+00 1.51E-03 4.5 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.92E-07 6.15E-03 1.18E-06 N/A	rid - 2'X2' C1 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00	C3 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E	Total A1-C4           2.98E-01           0.00E+00           4.25E+00           0.00E+00           Total A1-C4           4.03E+04           0.00E+00           2.16E+02           Total A1-C4           0.00E+00           0.00E+00           0.00E+00           0.00E+00           0.00E+00           0.00E+00           0.00E+00           Total A1-C4           0.00E+00           0.00E+00           0.00E+00           Total A1-C4           2.74E-06           4.84E-02           1.60E-05           N/A	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 D 1.14E-08 1.84E-02 1.67E-07 N/A
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte     Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources with energy content used as material (NPRM)     Non-renewable primary resources with energy content used as material (NPRM)     Secondary material, secondary fuel and recovered energy     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Renewable secondary fuel (RSF)     Consumption of fresh water     Additional inventory parameters for transparency     Removals and emissions associated with biogenic carbon content of the bio-based product     Emission from calcination and uptake from carbonation     Removals and emissions associated with biogenic carbon content of the bio-based packaging     Emissions from combustion of waste from renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Indicators describing waste     Hazardous waste disposed     Non-hazardous waste disposed     High-level radioactive waste     Intermediate and low-level waste	Units           MJ, NCV           MG C2-eq.           kg           kg           kg           kg           kg	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E-00 3.84E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.32E-05 1.34E-02 1.45E-05 N/A	A4           3.24E-03           0.00E+00           8.13E-02           0.00E+00           A4           0.00E+00           A4           2.34E-13           7.07E-06           2.34E-13           0.04	ot of M Duty Gr A5 2.13E-02 0.00E+00 3.03E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.92E-07 6.15E-03 1.18E-66 N/A A5	rid - 2'X2' C1 0.00E+00	Layout C2 7.79E-04 0.00E-00 1.95E-02 0.00E+00 0.00	C3 0.00E+00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E	Total A1-C4           2.98E-01           0.00E+00           4.25E+00           0.00E+00           Total A1-C4           4.03E+00           0.00E+00           0.00E+00           2.16E-02           Total A1-C4           0.00E+00           0.00E+00	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.14E-08 1.84E-02 1.67E-07 N/A
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte     Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources with energy content used as material (NRPRM)     Secondary material, secondary fuel and recovered energy     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Renewable secondar	rmediate l Units MJ, NCV MJ, N	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 A1-A3 0.00E+00 A1-A3 0.00E+00 A1-A3 0.00E+00 A1-A3 0.00E+00	Quare Fo ™/DXLF <sup>T</sup> A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 A4 2.34E-13 7.07E-06 2.33E-07 N/A 0.00E+00	ot of M Duty G AS 2.13E-02 0.00E+00 3.03E-01 0.00E+00 1.51E-03 AS 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 AS 1.32E-07 6.15E-03 1.18E-06 N/A AS 0.00E+00	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 N/A C1 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C2 5.62E-14 1.70E-06 5.62E-14 1.70E-06 5.60E-08 N/A	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 N/A C3 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C4 0.00E+00	Total A1-C4           2.98E-01           0.00E+00           4.25E+00           0.00E+00           70tal A1-C4           4.03E+04           0.00E+00           0.00E+00           0.00E+00           2.16E-02           Total A1-C4           0.00E+00           7.79E-05           0.00E+00           7.74E-06           4.84E-02           1.60E-05           N/A           Total A1-C4           0.00E+00	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 D 1.14E-08 1.84E-02 1.67E-07 N/A D 0.00E+00
Donn® Brand Fineline® Inter           Use of Primary Resources         Renewable primary resources used as an energy carrier (RPRE)           Renewable primary resources with energy content used as material (RPRM)           Non-renewable primary resources with energy content used as material (RPRM)           Non-renewable primary resources with energy content used as material (RPRM)           Non-renewable primary resources with energy content used as material (NRPRM)           Secondary material, secondary fuel and recovered energy           Secondary material, secondary fuel and recovered energy           Secondary material, Secondary fuel and recovered energy           Secondary material (SM)           Renewable secondary fuel (RSF)           Non-renewable secondary fuel (NRSF)           Renewable secondary fuel (NRSF)           Renewable and emissions associated with biogenic carbon content of the bio-based product           Emission from calcination and uptake from carbonation           Removals and emissions associated with biogenic carbon content of the bio-based packaging           Emissions from combustion of waste from renewable sources used in production processes           Emissions from combustion of waste from non-renewable sources used in production processes           Indicators describing waste           Hazardous waste disposed           Non-hazardous waste disposed           Non-hazardous waste disposed <tr< td=""><td>rmediate l Units MJ, NCV MJ, N</td><td>es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 A1-A3 2.55E-06 1.34E+02 1.45E+05 N/A A1-A3 0.00E+00</td><td>Quare Fo ™/DXLF<sup>T</sup> A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 A4 2.34E-13 2.33E-07 N/A A4 0.00E+00 0.00E+0</td><td>ot of M Duty G AS 1.312-02 0.00E+00 3.03E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 AS 1.92E-07 1.18E-06 N/A AS 0.00E+00 0.</td><td>rid - 2'X2' C1 0.00E+00</td><td>Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C2 5.62E-14 1.70E-06 5.60E-08 N/A C2 0.00E+00 0.00E+00</td><td>C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00</td><td>C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C4 6.14E-13 2.88E-02 6.06E-08 N/A C4 0.00E+00 0.00E+00</td><td>Total A1-C4 2.98E-01 0.00E+00 4.25E+00 0.00E+00 7.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 7.74E-06 4.34E-02 1.60E-05 N/A Total A1-C4 0.00E+00 0.00E+00</td><td>D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.14E-02 1.67E-07 N/A D 0.00E+00 0.00</td></tr<>	rmediate l Units MJ, NCV MJ, N	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 A1-A3 2.55E-06 1.34E+02 1.45E+05 N/A A1-A3 0.00E+00	Quare Fo ™/DXLF <sup>T</sup> A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 A4 2.34E-13 2.33E-07 N/A A4 0.00E+00 0.00E+0	ot of M Duty G AS 1.312-02 0.00E+00 3.03E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 AS 1.92E-07 1.18E-06 N/A AS 0.00E+00 0.	rid - 2'X2' C1 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C2 5.62E-14 1.70E-06 5.60E-08 N/A C2 0.00E+00 0.00E+00	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C4 6.14E-13 2.88E-02 6.06E-08 N/A C4 0.00E+00 0.00E+00	Total A1-C4 2.98E-01 0.00E+00 4.25E+00 0.00E+00 7.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 7.74E-06 4.34E-02 1.60E-05 N/A Total A1-C4 0.00E+00 0.00E+00	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.14E-02 1.67E-07 N/A D 0.00E+00 0.00
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte     Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources with energy content used as material (NRPRM)     Secondary material, secondary fuel and recovered energy     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Renewable secondar	rmediate l Units MJ, NCV MJ, N	es for 1 S Duty DXF A1-A3 2.72E-01 0.00E+00 3.84E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 A1-A3 0.00E+00 A1-A3 0.00E+00 A1-A3 0.00E+00 A1-A3 0.00E+00	Quare Fo ™/DXLF <sup>T</sup> A4 3.24E-03 0.00E+00 8.13E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 A4 2.34E-13 7.07E-06 2.33E-07 N/A 0.00E+00	ot of M Duty G AS 2.13E-02 0.00E+00 3.03E-01 0.00E+00 1.51E-03 AS 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 AS 1.32E-07 6.15E-03 1.18E-06 N/A AS 0.00E+00	rid - 2'X2' C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 N/A C1 0.00E+00	Layout C2 7.79E-04 0.00E+00 1.95E-02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C2 5.62E-14 1.70E-06 5.62E-14 1.70E-06 5.60E-08 N/A	C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 N/A C3 0.00E+00	C4 7.78E-04 0.00E+00 5.78E-03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C4 0.00E+00	Total A1-C4           2.98E-01           0.00E+00           4.25E+00           0.00E+00           70tal A1-C4           4.03E+04           0.00E+00           0.00E+00           0.00E+00           2.16E-02           Total A1-C4           0.00E+00           7.79E-05           0.00E+00           7.74E-06           4.84E-02           1.60E-05           N/A           Total A1-C4           0.00E+00	D 6.01E-02 0.00E+00 -1.52E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.14E-08 1.84E-02 1.67E-07 N/A D 0.00E+00





Renewable primary resources used as an energy carrier (RPRE)         MJ, NCV         2.98E+00         3.57E-02         2.34E-01         0.00E+00         0.00E+00        <	Pagau		o for 1 P	auoro Mo	tor of						
Second procession of a strain (PPN)N, Nov1966019760196700.060700.060700.06100.00100.00100.00100.00100.00100.0010<		•		•		'X2' Layo	ut				
Non-waterNu <t< th=""><th>Use of Primary Resources</th><th></th><th></th><th></th><th></th><th></th><th></th><th>C3</th><th>C4</th><th>Total A1-C4</th><th>D</th></t<>	Use of Primary Resources							C3	C4	Total A1-C4	D
uncomease proof process and encry control (APPP)U.V.OU.V.O	Renewable primary resources used as an energy carrier (RPRE)	MJ, NCV	2.98E+00	3.57E-02	2.34E-01	0.00E+00	8.58E-03	0.00E+00	8.58E-03	3.27E+00	6.63E-01
Business associated in marked phrage         Busine         ALAG         ALAG         Business         Bus	Renewable primary resources with energy content used as material (RPRM)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Book         Alva         Alva <th< td=""><td>Non-renewable primary resources used as an energy carrier (NRPRE)</td><td>MJ, NCV</td><td>4.23E+01</td><td>8.95E-01</td><td>3.34E+00</td><td>0.00E+00</td><td>2.15E-01</td><td>0.00E+00</td><td>6.38E-02</td><td>4.68E+01</td><td>-1.68E+01</td></th<>	Non-renewable primary resources used as an energy carrier (NRPRE)	MJ, NCV	4.23E+01	8.95E-01	3.34E+00	0.00E+00	2.15E-01	0.00E+00	6.38E-02	4.68E+01	-1.68E+01
secondunitUUU	Non-renewable primary resources with energy content used as material (NRPRM)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Image and a second by lang (P1)         Ma, (N)         Ma, (N)         Other M         Other M <th< td=""><td>Secondary material, secondary fuel and recovered energy</td><td>Units</td><td>A1-A3</td><td>A4</td><td>A5</td><td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>Total A1-C4</td><td>D</td></th<>	Secondary material, secondary fuel and recovered energy	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
ownerworks exercancy hull (NPSP)         ML, NC         ORDER-00         ORDER-00        ORDER-00        ORDER-00        OR	Secondary material (SM)	kg	4.13E-03	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-03	0.00E+00
serversite many (If)         MU, NO         6000-00 <td>Renewable secondary fuel (RSF)</td> <td>MJ, NCV</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td>	Renewable secondary fuel (RSF)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Consumption of them near         Dist         2.21641         1.2164         1.8640         0.884-00         1.874-00         2.804-00         1.974-00           Observation of mission contained on social of the backand proting         Value         AtA         At         At        <	Non-renewable secondary fuel (NRSF)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Units         At-Al         Ad         Add         Add         Constraint on control with bugine cation conting of the based particle in the based partin the based partin the based particle in the based	Renewable energy (RE)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
non-matching         space-space	Consumption of fresh water	m3	2.21E-01	1.22E-04	1.66E-02	0.00E+00	2.94E-05	0.00E+00	1.57E-05	2.38E-01	-1.71E-01
masses masses with Misses and usages throu subsould package Misses         is CO2+m	Additional inventory parameters for transparency	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
increases and material constrained meth biological constrained meth biological constrained meth biological constrained methods         increases and material constrained methods         increases and methods <td>Removals and emissions associated with biogenic carbon content of the bio-based product</td> <td>kg CO2-eq.</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td>	Removals and emissions associated with biogenic carbon content of the bio-based product	kg CO2-eq.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Image in the number of varies from resemble sources used in productions pressess is la GC24+6.         6.024-60	Emission from calcination and uptake from carbonation	kg CO2-eq.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Instrumentation of evanues from more-senses used in production processes         b (20-2-b)         0.00E-d0         0.00E-d	Removals and emissions associated with biogenic carbon content of the bio-based packaging	kg CO2-eq.	-7.88E-04	0.00E+00	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Instruction consultation of variant from non-reveales assure in production processes         No.C.2-N         ODE-00         ODE-00 <th< td=""><td>Emissions from land use change</td><td></td><td>6.90E-04</td><td>7.23E-05</td><td>6.35E-05</td><td>0.00E+00</td><td>1.74E-05</td><td>0.00E+00</td><td>1.41E-05</td><td>8.57E-04</td><td>-2.25E-04</td></th<>	Emissions from land use change		6.90E-04	7.23E-05	6.35E-05	0.00E+00	1.74E-05	0.00E+00	1.41E-05	8.57E-04	-2.25E-04
Image of the construction of eases from non-encrevable sources used in production processes         bg CD2-40         0.00E-40	Emissions from combustion of waste from renewable sources used in production processes		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
start dougoned         isg         2.274.01         2.274.02         2.876.01         0.001-00         5.771-12         2.876.01         1.286.01           incharactions wates disposed         isg         1.476.01         7.776.01         1.876.01         0.870-01 <td>Emissions from combustion of waste from non-renewable sources used in production processes</td> <td></td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td> <td>0.00E+00</td>	Emissions from combustion of waste from non-renewable sources used in production processes		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
start dougoned         isg         2.274.01         2.274.02         2.876.01         0.001-00         5.771-12         2.876.01         1.286.01           incharactions wates disposed         isg         1.476.01         7.776.01         1.876.01         0.870-01 <td>Indicators describing waste</td> <td>Units</td> <td>A1-A3</td> <td>A4</td> <td>A5</td> <td>C1</td> <td>C2</td> <td>C3</td> <td>C4</td> <td>Total A1-C4</td> <td>D</td>	Indicators describing waste	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Sonhardon wate digosed         Ng         1 47E-01         7.79E-08         6.80E-00         1.87E-00         6.81E-07         0.81E-01         5.81E-01	Hazardous waste disposed		-		-	-	-		-		-1.26E-07
igh-on-control         igh         1 386-04         2 375-06         1 282-00         0.006+00         6.18E-07         0.006+00         6.88E-07         1 73E-04         1 4.84-04           Name         Na	Non-hazardous waste disposed	-				-			-		2.03E-01
Intermediate and low-level wasts         Iso         N/A         N/A        N/A         N/A	High-level radioactive waste	-									1.84E-06
bit         bit         0.005-00         0.005	Intermediate and low-level waste	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
bit         bit         0.005-00         0.005						-					
Image: Secondary fuel (RF)         Image: Secondary fuel (RF) <th< td=""><td></td><td></td><td>-</td><td></td><td>-</td><td>-</td><td>-</td><td></td><td>-</td><td></td><td></td></th<>			-		-	-	-		-		
base is a neargy recovery (NET)         bg         0.002-00         0.00						-					
Becovered energy exported (EE)         MJ, NCV         0.00E+00											
Resource Usages for 1 Square Foot of Donn <sup>®</sup> Brand Heavy Duty Fineline <sup>®</sup> DXF <sup>™/</sup> /DXLF <sup>™</sup> Grid - 2*X2' Layout           Use of Primary Resources         Units         At-33         A4         A5         C1         C2         C3         C4         Total A1-C4         D           Renewable primary resources used as an energy carrier (IPRPM)         MJ, NCV         277:E764         331E-03         217:E764         0.00E-00         0.00E		-									
Renewable primary resources with energy carrier (RPRE)         MJ, NCV         2.77E-01         3.31E-03         2.17E-02         0.00E+00         0.								C3	C4	Total A1-C4	D
Non-renewable primary resources used as an energy carrier (NRPRE)         MJ, NCV         3.32E-00         8.32E-02         3.10E-01         0.00E+00											
Non-renewable primary resources with energy content used as material (NRPRM)         MJ, NCV         0.00E+00         0.00E+	Renewable primary resources with energy content used as material (RPRM)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Secondary material, secondary fuel and recovered energy         Units         A1-A3         A4         A5         C1         C2         C3         C4         Total A1-C4         D           Secondary material (SM)         kg         3.44E-04         0.00E+00	Non-renewable primary resources used as an energy carrier (NRPRE)	MJ, NCV	3.93E+00	8.32E-02	3.10E-01	0.00E+00	2.00E-02	0.00E+00	5.92E-03	4.35E+00	-1.56E+00
Secondary nutrial (SM)         kg         3.84E-04         0.00E+00	Non-renewable primary resources with energy content used as material (NRPRM)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Secondary material (SM)         kg         3.84E-04         0.00E+00         0.00E+00 <td>Secondary material, secondary fuel and recovered energy</td> <td>Units</td> <td>A1-A3</td> <td>A4</td> <td>A5</td> <td>C1</td> <td>C2</td> <td>C3</td> <td>C4</td> <td>Total A1-C4</td> <td>D</td>	Secondary material, secondary fuel and recovered energy	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Non-renewable secondary fuel (NRSF)         MJ, NCV         0.00E+00		kg	3.84E-04	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-04	0.00E+00
Renewable energy (RE)         MJ, NCV         0.00E+00         0.00E+00<	Renewable secondary fuel (RSF)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Consumption of fresh water         m3         2.05E-02         1.14E-05         1.5E-03         0.00E+00         2.73E-06         0.00E+00         1.46E-06         2.21E-02         1.59E-02           Additional inventory parameters for transparency         Units         A1-A3         A4         A5         C1         C2         C3         C4         Total A1-C4         D           Removals and emissions associated with biogenic carbon content of the bio-based product         kg C02-eq.         0.00E+00         0	Non-renewable secondary fuel (NRSF)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Additional inventory parameters for transparency         Units         A1-A3         A4         A5         C1         C2         C3         C4         Total A1-C4         D           Removals and emissions associated with biogenic carbon content of the bio-based product         kg CO2-eq.         0.00E+00         0.00E	Renewable energy (RE)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Removals and emissions associated with biogenic carbon content of the bio-based product         kg CO2-eq.         0.00E+00	Consumption of fresh water	m3	2.05E-02	1.14E-05	1.55E-03	0.00E+00	2.73E-06	0.00E+00	1.46E-06	2.21E-02	-1.59E-02
Emission from calcination and uptake from carbonation         kg CO2-eq.         0.00E+00	Additional inventory parameters for transparency	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Removals and emissions associated with biogenic carbon content of the bio-based packaging         kg CO2-eq.         7.32E-05         0.00E+00	Removals and emissions associated with biogenic carbon content of the bio-based product	kg CO2-eq.	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Emissions from land use change         kg CO2-eq.         6.41E-05         6.72E-06         5.90E-06         1.02E-06         0.00E+00         1.31E-06         7.96E-05         2.09E-05           Emissions from combustion of waste from renewable sources used in production processes         kg CO2-eq.         0.00E+00         0.	Emission from calcination and uptake from carbonation										0.00E+00
Emissions from combustion of waste from renewable sources used in production processes         kg CO2-eq.         0.00E+00	Removals and emissions associated with biogenic carbon content of the bio-based packaging	kg CO2-eq.						0.00E+00			
Emissions from combustion of waste from non-renewable sources used in production processes         kg CO2-eq.         0.00E+00											
Indicators describing waste         Units         A1-A3         A4         A5         C1         C2         C3         C4         Total A1-C4         D           Hazardous waste disposed         kg         2.55E-06         2.39E-13         1.92E-07         0.00E+00         5.76E-14         0.00E+00         6.29E-13         2.74E-06         -1.17E-08           Non-hazardous waste disposed         kg         1.37E-02         7.24E-06         6.22E-03         0.00E+00         5.76E-14         0.00E+00         6.29E-13         2.74E-06         -1.17E-08           High-level radioactive waste         kg         1.47E-05         2.39E-07         1.19E-06         0.00E+00         5.74E-08         0.00E+00         6.21E-08         1.62E-05         1.71E-07           Intermediate and low-level waste         kg         N/A         N/A <td></td> <td>• •</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		• •									
Hazardous waste disposed         kg         2.55E-06         2.39E-13         1.92E-07         0.00E+00         5.76E-14         0.00E+00         6.29E-13         2.74E-06         -1.17E-08           Non-hazardous waste disposed         kg         1.37E-02         7.24E-06         6.22E-03         0.00E+00         1.74E-06         0.00E+00         2.95E-02         4.95E-02         1.89E-02           High-level radioactive waste         kg         1.47E-05         2.39E-07         1.19E-06         0.00E+00         5.74E-08         0.00E+00         6.21E-08         1.62E-05         1.71E-07           Intermediate and low-level waste         kg         N/A	Emissions from combustion of waste from non-renewable sources used in production processes	kg CO2-eq.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	U.00E+00
Non-hazardous waste disposed         kg         1.37E-02         7.24E-06         6.22E-03         0.00E+00         1.74E-06         0.00E+00         2.95E-02         4.95E-02         1.89E-02           High-level radioactive waste         kg         1.47E-05         2.39E-07         1.19E-06         0.00E+00         5.74E-08         0.00E+00         6.21E-08         1.62E-05         1.71E-07           Intermediate and low-level waste         kg         N/A	-	Units									
High-level radioactive waste         kg         1.47E-05         2.39E-07         1.19E-06         0.00E+00         5.74E-08         0.00E+00         6.21E-08         1.62E-05         1.71E-07           Intermediate and low-level waste         kg         N/A											
Intermediate and low-level waste         kg         N/A											
Assignments of output flows at the end-of-life         Units         A1-A3         A4         A5         C1         C2         C3         C4         Total A1-C4         D           Components for re-use (CRU)         kg         0.00E+00         <	-										
Components for re-use (CRU)         kg         0.00E+00	Intermediate and low-level waste	kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Materials for recycling (MR)         kg         0.00E+00         0.00E+0	Assignments of output flows at the end-of-life	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Materials for energy recovery (MER) kg 0.00E+00	Components for re-use (CRU)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Materials for recycling (MR)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recovered energy exported (EE)         MJ, NCV         0.00E+00	Materials for energy recovery (MER)										





Deed	urce Usad		Actuic To							
Donn <sup>®</sup> Brand Fineline <sup>®</sup> Inte						Lovout				
	Units	A1-A3	A4		C1	C2	C3	C4	Total A1-C4	D
Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE)	MJ, NCV	2.45E+03	A4 2.92E+01	A5 1.92E+02	0.00E+00	7.03E+00	0.00E+00	7.02E+00	2.69E+03	5.42E+02
Renewable primary resources used as an energy carter (RFRE) Renewable primary resources with energy content used as material (RPRM)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00
Non-renewable primary resources with energy content used as material (RPRW)	MJ, NCV	3.47E+04	0.00E+00 7.34E+02	2.74E+03	0.00E+00	0.00E+00 1.76E+02	0.00E+00	5.22E+01	3.84E+04	-1.37E+04
Non-renewable primary resources used as an energy carrier (NKPKE)			7.34E+02 0.00E+00	0.00E+00						-1.37E+04
Non-renewable primary resources with energy content used as material (NRPRM)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Secondary material, secondary fuel and recovered energy	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Secondary material (SM)	kg	3.38E+00	0.00E+00	2.55E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E+00	0.00E+00
Renewable secondary fuel (RSF)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Non-renewable secondary fuel (NRSF)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Renewable energy (RE)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Consumption of fresh water	m3	1.81E+02	1.00E-01	1.36E+01	0.00E+00	2.41E-02	0.00E+00	1.29E-02	1.94E+02	-1.40E+02
Additional inventory parameters for transparency	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Removals and emissions associated with biogenic carbon content of the bio-based product	kg CO2-eq.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Emission from calcination and uptake from carbonation	kg CO2-eq.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Removals and emissions associated with biogenic carbon content of the bio-based packaging	kg CO2-eq.	-6.60E-01	0.00E+00	6.60E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Emissions from land use change	kg CO2-eq.	5.66E-01	5.92E-02	5.21E-02	0.00E+00	1.42E-02	0.00E+00	1.16E-02	7.03E-01	-1.84E-01
Emissions from combustion of waste from renewable sources used in production processes	kg CO2-eq.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Emissions from combustion of waste from non-renewable sources used in production processes	kg CO2-eq.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Indicators describing waste	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Hazardous waste disposed	kg	2.30E-02	2.11E-09	1.73E-03	0.00E+00	5.07E-10	0.00E+00	5.54E-09	2.47E-02	-1.03E-04
Non-hazardous waste disposed	kg	1.21E+02	6.38E-02	5.55E+01	0.00E+00	1.53E-02	0.00E+00	2.60E+02	4.37E+02	1.66E+02
High-level radioactive waste	kg	1.31E-01	2.10E-03	1.06E-02	0.00E+00	5.06E-04	0.00E+00	5.47E-04	1.45E-01	1.51E-03
Intermediate and low-level waste	kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Assignments of output flows at the end-of-life	Units	A1-A3	A4	A5	C1	C2	C3	C4	Total A1-C4	D
Components for re-use (CRU)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling (MR)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery (MER)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Recovered energy exported (EE)	MJ, NCV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
-										
-	urce Usag				l	l.				
Donn <sup>®</sup> Brand Heavy D	uty Fineli	ne <sup>®</sup> DXF		4 Grid - 2	-					
-	-		™/ <b>DXLF</b> ™ A4		X2' Layo	ut c2	C3	C4	Total A1-C4	D
Donn <sup>®</sup> Brand Heavy D Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE)	Units MJ, NCV	ne <sup>®</sup> DXF A1-A3 2.44E+03	M/DXLF™ A4 2.92E+01	A Grid - 2 A5 1.91E+02	C1 0.00E+00	C2 7.03E+00	0.00E+00	7.02E+00	2.68E+03	5.42E+02
Donn <sup>®</sup> Brand Heavy I Use of Primary Resources	Uty Fineli Units	ne <sup>®</sup> DXF <sup>1</sup> A1-A3	™/ <b>DXLF</b> ™ A4	<sup>4</sup> Grid - 2 <sup>A5</sup>	C1	C2				
Donn <sup>®</sup> Brand Heavy D Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE)	Units MJ, NCV	ne <sup>®</sup> DXF A1-A3 2.44E+03	M/DXLF™ A4 2.92E+01	A5 1.91E+02	C1 0.00E+00	C2 7.03E+00	0.00E+00	7.02E+00	2.68E+03	5.42E+02
Donn <sup>®</sup> Brand Heavy D Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM)	Units MJ, NCV MJ, NCV	ne <sup>®</sup> DXF <sup>1</sup> A1-A3 2.44E+03 0.00E+00	M/DXLF M A4 2.92E+01 0.00E+00	A Grid - 2 A5 1.91E+02 0.00E+00	C1 0.00E+00 0.00E+00	C2 7.03E+00 0.00E+00	0.00E+00 0.00E+00	7.02E+00 0.00E+00	2.68E+03 0.00E+00	5.42E+02 0.00E+00
Donn <sup>®</sup> Brand Heavy D Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources used as an energy carrier (NRPRE) Non-renewable primary resources with energy content used as material (NRPRM)	Duty Fineli Units MJ, NCV MJ, NCV MJ, NCV MJ, NCV	ne <sup>®</sup> DXF <sup>1</sup> A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00	M/DXLF TN A4 2.92E+01 0.00E+00 7.33E+02 0.00E+00	Grid - 2' A5 1.91E+02 0.00E+00 2.73E+03 0.00E+00	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00	2.68E+03 0.00E+00 3.83E+04 0.00E+00	5.42E+02 0.00E+00 -1.37E+04 0.00E+00
Donn <sup>®</sup> Brand Heavy D Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources used as an energy carrier (NRPRE) Non-renewable primary resources with energy content used as material (NRPRM) Secondary material, secondary fuel and recovered energy	Units MJ, NCV MJ, NCV MJ, NCV MJ, NCV MJ, NCV	ne <sup>®</sup> DXF <sup>1</sup> A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3	A4 2.92E+01 0.00E+00 7.33E+02 0.00E+00 A4	A Grid - 2' A5 1.91E+02 0.00E+00 2.73E+03 0.00E+00 A5	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C1	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 C2	0.00E+00 0.00E+00 0.00E+00 0.00E+00 C3	7.02E+00 0.00E+00 5.22E+01 0.00E+00 C4	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 D
Donn <sup>®</sup> Brand Heavy D Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources used as an energy carrier (NRPRE) Non-renewable primary resources with energy content used as material (NPRM) Secondary material, secondary fuel and recovered energy Secondary material (SM)	Uty Fineli Units MJ, NCV MJ, NCV MJ, NCV MJ, NCV Units kg	ne <sup>®</sup> DXF <sup>1</sup> A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3 3.38E+00	M/DXLF <sup>TM</sup> A4 2.92E+01 0.00E+00 7.33E+02 0.00E+00 A4 0.00E+00	A         Grid - 2'           A5         1.91E+02           0.00E+00         2.73E+03           0.00E+00         2.73E+03           0.00E+00         2.55E-01	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C1 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 C2 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 C3 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 C4 0.00E+00	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 D 0.00E+00
Donn <sup>®</sup> Brand Heavy D Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources used as an energy carrier (NRPRE) Non-renewable primary resources with energy content used as material (NRPRM) Secondary material, secondary fuel and recovered energy Secondary material (SM) Renewable secondary fuel (RSF)	Uty Fineli Units MJ, NCV MJ, NCV MJ, NCV MJ, NCV Units kg MJ, NCV	ne <sup>®</sup> DXF <sup>1</sup> A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3 3.38E+00 0.00E+00	M/DXLF <sup>TM</sup> A4 2.92E+01 0.00E+00 7.33E+02 0.00E+00 A4 0.00E+00 0.00E+00	A         Grid - 2'           A5         1.91E+02           0.00E+00         2.73E+03           0.00E+00         2.55E-01           0.00E+00         0.00E+00	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C1 0.00E+00 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 C2 0.00E+00 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 C3 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 C4 0.00E+00 0.00E+00	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 D 0.00E+00 0.00E+00
Donn <sup>®</sup> Brand Heavy D Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources used as an energy carrier (NRPRE) Non-renewable primary resources with energy content used as material (NRPRM) Secondary material, secondary fuel and recovered energy Secondary material (SM) Renewable secondary fuel (RSF) Non-renewable secondary fuel (NRSF)	Uty Fineli Units MJ, NCV MJ, NCV MJ, NCV MJ, NCV Units kg MJ, NCV MJ, NCV	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3 3.38E+00 0.00E+00 0.00E+00	M/DXLF Th A4 2.92E+01 0.00E+00 7.33E+02 0.00E+00 A4 0.00E+00 0.00E+00 0.00E+00	A Grid - 2 A5 1.91E+02 0.00E+00 2.73E+03 0.00E+00 A5 2.55E-01 0.00E+00 0.00E+00	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C1 0.00E+00 0.00E+00 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 <del>C3</del> 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 C4 0.00E+00 0.00E+00 0.00E+00	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 D 0.00E+00 0.00E+00 0.00E+00
Donn <sup>®</sup> Brand Heavy D Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources used as an energy carrier (NRPRE) Non-renewable primary resources with energy content used as material (NRPRM) Secondary material, secondary fuel and recovered energy Secondary material (SM) Renewable secondary fuel (RSF)	Uty Fineli Units MJ, NCV MJ, NCV MJ, NCV MJ, NCV Units kg MJ, NCV	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3 3.38E+00 0.00E+00 0.00E+00 0.00E+00	A4 2.92E+01 0.00E+00 7.33E+02 0.00E+00 A4 0.00E+00 0.00E+00 0.00E+00 0.00E+00	A         Grid - 2'           A5         1.91E+02           0.00E+00         2.73E+03           0.00E+00         2.55E-01           0.00E+00         0.00E+00	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 C4 0.00E+00 0.00E+00 0.00E+00 0.00E+00	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 0.00E+00	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Donn <sup>®</sup> Brand Heavy D Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources used as an energy carrier (NRPRE) Non-renewable primary resources with energy content used as material (NRPRM) Secondary material, secondary fuel and recovered energy Secondary material (SM) Renewable secondary fuel (RSF) Non-renewable secondary fuel (NRSF)	Uty Fineli Units MJ, NCV MJ, NCV MJ, NCV MJ, NCV Units kg MJ, NCV MJ, NCV	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3 3.38E+00 0.00E+00 0.00E+00	M/DXLF <sup>TM</sup> A4 2.92E+01 0.00E+00 7.33E+02 0.00E+00 A4 0.00E+00 0.00E+00 0.00E+00	A Grid - 2 A5 1.91E+02 0.00E+00 2.73E+03 0.00E+00 A5 2.55E-01 0.00E+00 0.00E+00	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C1 0.00E+00 0.00E+00 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 <del>C3</del> 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 C4 0.00E+00 0.00E+00 0.00E+00	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 D 0.00E+00 0.00E+00 0.00E+00
Donn <sup>®</sup> Brand Heavy D Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources with energy content used as material (NRPRE) Non-renewable primary resources with energy content used as material (NRPRM)  Secondary material, secondary fuel and recovered energy Secondary material (SM) Renewable secondary fuel (RSF) Non-renewable secondary fuel (NRSF) Renewable energy (RE) Consumption of fresh water	Units MJ, NCV MJ, NCV MJ, NCV MJ, NCV Units Kg MJ, NCV MJ, NCV MJ, NCV	ne® DXF A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3 3.38E+00 0.00E+00 0.00E+00 0.00E+00 1.81E+02	M/DXLF1h A4 2.92E+01 0.00E+00 7.33E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	A Grid - 2 A5 1.91E+02 0.00E+00 2.73E+03 0.00E+00 A5 2.55E-01 0.00E+00 0.00E+00 0.00E+00 1.36E+01	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 C2 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.41E-02	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 C4 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.29E-02	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 0.00E+00 1.94E+02	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 -1.40E+02
Donn® Brand Heavy I           Use of Primary Resources         Renewable primary resources used as an energy carrier (RPRE)           Renewable primary resources with energy content used as material (RPRM)           Non-renewable primary resources with energy content used as material (NRPRE)           Non-renewable primary resources with energy content used as material (NRPRM)           Secondary material, secondary fuel and recovered energy           Secondary material (SM)           Renewable secondary fuel (RSF)           Non-renewable secondary fuel (NRSF)           Renewable energy (RE)           Consumption of fresh water           Additional inventory parameters for transparency	Uty Fineli Units MJ, NCV MJ, NCV MJ, NCV MJ, NCV Units Kg MJ, NCV MJ, NCV MJ, NCV m3 Units	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3 3.38E+00 0.00E+00 0.00E+00 0.00E+00 1.81E+02 A1-A3	M/DXLFTh A4 2.92E+01 0.00E+00 7.33E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+01 1.00E-01 A4	A Grid - 2 A5 1.91E+02 0.00E+00 2.73E+03 0.00E+00 A5 2.55E-01 0.00E+00 0.00E+00 0.00E+00 1.36E+01 A5	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C1	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.41E-02 C2	0.00E+00 0.00E+00 0.00E+00 C3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C3	7.02E+00 0.00E+00 5.22E+01 0.00E+00 C4 0.00E+00 0.00E+00 0.00E+00 1.29E-02 C4	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 1.94E+02 Total A1-C4	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 -1.40E+02 D
Donn® Brand Heavy I           Use of Primary Resources         Renewable primary resources used as an energy carrier (RPRE)           Renewable primary resources with energy content used as material (RPRM)           Non-renewable primary resources with energy content used as material (NRPRE)           Non-renewable primary resources with energy content used as material (NRPRM)           Secondary material, secondary fuel and recovered energy           Secondary material, secondary fuel and recovered energy           Secondary material (SM)           Renewable secondary fuel (RSF)           Non-renewable secondary fuel (NRSF)           Renewable energy (RE)           Consumption of fresh water           Additional inventory parameters for transparency           Renovals and emissions associated with biogenic carbon content of the bio-based product	Units MJ, NCV MJ, NCV	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3 3.38E+00 0.00E+00 0.00E+00 0.00E+00 1.81E+02 A1-A3 0.00E+00	M/DXLFTh A4 2.92E401 0.00E400 7.33E402 0.00E400 0.00E400 0.00E400 0.00E400 1.00E400 1.00E400	A Grid - 2 AS 1.91E+02 0.00E+00 2.73E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+01 1.36E+01 AS 0.00E+00	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 C1 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.41E+02 C2 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.29E-02 C4 0.00E+00	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 0.00E+00 1.94E+02 Total A1-C4 0.00E+00	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 -1.40E+02 D 0.00E+00
Donn <sup>®</sup> Brand Heavy D     Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources with energy content used as material (NRPRM)     Non-renewable primary resources with energy content used as material (NRPRM)     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Renewable energy (RE)     Consumption of fresh water     Additional inventory parameters for transparency     Removals and emissions associated with biogenic carbon content of the bio-based product     Emission from calcination and uptake from carbonation	Units MJ, NCV MJ, NCV	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.81E+02 A1-A3 0.00E+00 0.00E+00 0.00E+00	M/DXLF <sup>Th</sup> A4 2.92E401 0.00E400 7.33E402 0.00E400 0.00E400 0.00E400 0.00E400 1.00E400 1.00E400 0.00E400 0.00E400	A Grid - 2 AS 1.91E-02 0.00E+00 2.73E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.36E+01 AS 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.41E-02 C2 0.00E+00 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 C4 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.29E+02 C4 0.00E+00 0.00E+00	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 0.00E+00 1.94E+02 Total A1-C4 0.00E+00 0.00E+00	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Brand Heavy ID           Use of Primary Resources         Renewable primary resources used as an energy carrier (RPRE)           Renewable primary resources with energy content used as material (RPRM)         Non-renewable primary resources with energy content used as material (RPRM)           Non-renewable primary resources with energy content used as material (NRPRM)         Non-renewable primary resources with energy content used as material (NRPRM)           Secondary material, secondary fuel and recovered energy         Secondary material (SM)           Renewable secondary fuel (RSF)         Non-renewable secondary fuel (RSF)           Non-renewable secondary fuel (NRSF)         Renewable energy (RE)           Consumption of fresh water         Additional inventory parameters for transparency           Removals and emissions associated with biogenic carbon content of the bio-based product         Emission from calcination and uptake from carbonation           Removals and emissions associated with biogenic carbon content of the bio-based packaging         Renovals and emissions associated with biogenic carbon content of the bio-based packaging	Uty Fineli Units MJ, NCV MJ, NCV	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3 3.38E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.81E+02 A1-A3 0.00E+00 00	M/DXLF <sup>Th</sup> A4 2.92E+01 0.00E+00 7.33E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E-01 A4 0.00E+00 0.00E+00 0.00E+00	A Grid - 2' AS 1.91E+02 0.00E+00 2.73E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.36E+01 AS 0.00E+00 0.00E+00 0.00E+00 6.45E-01	C1           0.00E+00           0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 C4 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 -1.40E+02 D 0.00E+00 0.00E+00
Donn <sup>®</sup> Brand Heavy I     Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources used as an energy carrier (RPRE)     Non-renewable primary resources with energy content used as material (NRPRM)     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Consumption of fresh water     Additional inventory parameters for transparency     Removals and emissions associated with biogenic carbon content of the bio-based packaging     Emissions from calcination and uptake from carbonation	Uty Fineli Units MJ, NCV MJ, N	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 0.00	M/DXLF <sup>Th</sup> A4 2.92E401 0.00E400 7.33E402 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400 1.00E-01 A4 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400	A Grid - 2' AS 1.31E+02 0.00E+00 2.73E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+01 5.20E-02	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.29E+02 C4 0.00E+00 0.00E+00 0.00E+00 1.16E+02	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 0.00E+02 Total A1-C4 0.00E+00 0.00E+00 0.00E+00 0.00E+00 7.01E-01	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 -1.84E-01
Donn <sup>®</sup> Brand Heavy E Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources used as an energy carrier (NRPRE) Non-renewable primary resources with energy content used as material (NRPRM) Secondary material, secondary fuel and recovered energy Secondary material (SM) Renewable secondary fuel (RSF) Non-renewable secondary fuel (RSF) Renewable secondary fuel (NRSF) Renewable energy (RE) Consumption of fresh water Additional inventory parameters for transparency Removals and emissions associated with biogenic carbon content of the bio-based product Emission from calcination and uptake from carbonation Emissions from land use change Emissions from combustion of waste from renewable sources used in production processes	Uty Fineli Units MJ, NCV MJ, NCV MJ, NCV Units kg MJ, NCV MJ,	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.81E+02 A1-A3 0.00E+00 0.00E+01 5.64E+01 0.00E+00	M/DXLF <sup>Th</sup> A4 2.92E401 0.00E400 7.33E402 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400 1.00E400 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400 5.92E402 0.00E400	A Grid - 2 A A 1.31E+02 0.00E+00 2.73E+03 0.00E+00	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.42E+02 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.29E+02 C4 0.00E+00 0.00E+00 1.16E+02 0.00E+00	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 1.94E+02 Total A1-C4 0.00E+00 0.00E+00 7.01E-01 0.00E+00	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 -1.84E-01 0.00E+00
Donn <sup>®</sup> Brand Heavy I     Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources used as an energy carrier (RPRE)     Non-renewable primary resources with energy content used as material (NRPRM)     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Consumption of fresh water     Additional inventory parameters for transparency     Removals and emissions associated with biogenic carbon content of the bio-based packaging     Emissions from calcination and uptake from carbonation	Uty Fineli Units MJ, NCV MJ, N	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 1.81E+02 A1-A3 0.00E+00 0.00	M/DXLF <sup>Th</sup> A4 2.92E401 0.00E400 7.33E402 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400 1.00E-01 A4 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400	A Grid - 2' AS 1.31E+02 0.00E+00 2.73E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+01 AS 0.00E+00 0.00E+00 0.00E+00 0.00E+01 5.20E-02	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.29E+02 C4 0.00E+00 0.00E+00 0.00E+00 1.16E+02	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 0.00E+02 Total A1-C4 0.00E+00 0.00E+00 0.00E+00 0.00E+00 7.01E-01	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 -1.84E-01
Donn <sup>®</sup> Brand Heavy D      Use of Primary Resources      Renewable primary resources used as an energy carrier (RPRE)      Renewable primary resources with energy content used as material (RPRM)      Non-renewable primary resources with energy content used as material (NRPRM)      Non-renewable primary resources with energy content used as material (NRPRM)      Secondary material, secondary fuel and recovered energy     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Renewable secondary fuel (NRSF)     Renewable energy (RE)      Consumption of fresh water      Additional inventory parameters for transparency     Removals and emissions associated with biogenic carbon content of the bio-based product     Emissions from land use change Emissions from land use change Emissions from combustion of waste from renewable sources used in production processes	Uty Fineli Units MJ, NCV MJ, N	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3 3.38E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.81E+02 A1-A3 0.00E+00 00	M/DXLFTh A4 2.92E401 0.00E400 7.33E402 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400	A Grid - 2 AS 1.91E-02 0.00E+00 2.73E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.42E+02 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 7.01E-01 0.00E+00	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 -1.84E-01 0.00E+00
Donn <sup>®</sup> Brand Heavy I      Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources used as an energy carrier (NRPRE)     Non-renewable primary resources with energy content used as material (NRPRM)     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Non-renewable secondary fuel (NRSF)     Renewable secondary fuel (NRSF)     Renewable secondary (RE)     Consumption of fresh water     Additional inventory parameters for transparency     Removals and emissions associated with biogenic carbon content of the bio-based product     Emission from calcination and uptake from renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Indicators describing waste	Uty Fineli Units MJ, NCV MJ, N	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.81E+02 A1-A3 0.00E+00 0.00E+01 5.64E+01 0.00E+00	M/DXLF <sup>Th</sup> A4 2.92E401 0.00E400 7.33E402 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400 1.00E400 0.00E400 0.00E400 0.00E400 0.00E400 0.00E400 5.92E402 0.00E400	A Grid - 2 A A 1.31E+02 0.00E+00 2.73E+03 0.00E+00	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.42E+02 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.29E+02 C4 0.00E+00 0.00E+00 1.16E+02 0.00E+00	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 1.94E+02 Total A1-C4 0.00E+00 0.00E+00 7.01E-01 0.00E+00	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 -1.84E-01 0.00E+00
Donn <sup>®</sup> Brand Heavy I      Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources used as an energy carrier (NRPRE)     Non-renewable primary resources with energy content used as material (NRPRM)     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Non-renewable secondary fuel (NRSF)     Renewable energy (RE)     Consumption of fresh water     Additional inventory parameters for transparency     Removals and emissions associated with biogenic carbon content of the bio-based packaging     Emission from calcination and uptake from renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Indicators describing waste	Uty Fineli Units MJ, NCV MJ, NCV MJ, NCV Units kg MJ, NCV MJ,	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 0.00E	M/DXLF <sup>Th</sup> A4 2.92E401 0.00E400 7.33E402 0.00E4000 0.00E40000000000	A         Grid         2           AS         1.31E+02         0.00E+00           0.00E+00         2.73E+03         0.00E+00           AS         2.55E=01         0.00E+00           0.00E+00         0.00E+00         0.00E+00           1.36E+01         3.6E+01         3.6E+01           5.20E+02         0.00E+00         0.00E+00           0.00E+00         0.00E+00         0.00E+00           1.645E-01         5.20E+02         0.00E+00           1.69E-03         1.69E-03         1.69E-03	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C2 7.03E-00 0.00E+00 1.76E+02 0.00E+000E+0	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.16E-02 0.00E+00 0.00E+00 0.00E+00	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 0.00E+00 1.94E+02 Total A1-C4 0.00E+00 0.00E+00 0.00E+00 0.00E+00 Total A1-C4 2.41E-02	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Donn <sup>®</sup> Brand Heavy E  Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources with energy content used as material (NRPRE) Non-renewable primary resources with energy content used as material (NRPRM)  Secondary material, secondary fuel and recovered energy Secondary material (SM) Renewable secondary fuel (RSF) Non-renewable secondary fuel (RSF) Renewable secondary fuel (RSF) Renewable secondary fuel (RSF) Renewable secondary fuel (NRSF) Renewable nergy (RE) Consumption of fresh water  Additional inventory parameters for transparency Removals and emissions associated with biogenic carbon content of the bio-based product Emission from calcination and uptake from carbonation Removals and emission associated with biogenic carbon content of the bio-based packaging Emissions from combustion of waste from renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emisons from combustion for acting the product p	Uty Fineli Units MJ, NCV MJ, N	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3 2.24E+02 1.21E+02	M/DXLF <sup>Th</sup> A4 2.92E401 0.00E400 7.33E402 0.00E40000000000	A Grid - 2 A A 1.31E+02 0.00E+00 2.73E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+01 AS 0.00E+00 0.00E+00 0.00E+01 6.45E-01 5.20E+02 0.00E+00 0.00E+00 0.00E+00 5.20E+02 0.00E+00 0.00E+00 5.20E+02 0.00E+00 0.00E+00 5.20E+02 0.00E+00 0.00	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C2 7.03E-00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.42E+02 0.00E+00 0.00E+00 1.42E+02 0.00E+000E+0	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.554E-09 2.60E+02	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 Total A1-C4 2.41E+02 4.36E+02	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.34E-01 0.00E+00
Donn <sup>®</sup> Brand Heavy I     Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources with energy content used as material (NRPRM)     Non-renewable primary resources with energy content used as material (NRPRM)     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Renewable secondary fuel (RSF)     Renewable energy (RE)     Consumption of fresh water     Additional inventory parameters for transparency     Removals and emissions associated with biogenic carbon content of the bio-based product     Emission from calcination and uptake from carbonation     Removals and emissions associated with biogenic carbon content of the bio-based packaging     Emissions from combustion of waste from renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Indicators describing waste     Non-hazardous waste disposed     Non-hazardous waste disposed	Uty Finel Units MJ, NCV MJ, NC	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3 3.38E+00 0.00E+00	M /DXLF <sup>Th</sup> A4 2.92E+01 0.00E+00 7.33E+02 0.00E+00	A         Grid - 2           AS         1.31E+02           0.00E+00         2.73E+03           0.00E+00         2.55E-01           0.00E+00         0.00E+00           0.00E+00         0.00E+00           1.36E+01         3.65E+01           0.00E+00         0.00E+00           0.00E+00         0.00E+00           0.00E+00         0.00E+00           0.00E+00         0.00E+00           1.52E-02         0.00E+00           1.63E-03         5.48E+01           1.05E-02         1.05E+02	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.42E-02 0.00E+00 0.00E+00 0.00E+00 1.42E-02 0.00E+00 1.53E-02 5.06E-04	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 5.54E-09 2.60E+02 5.54F=04	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.54E+02 1.43E+02 1.43E+02	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.03E-04 1.03E-04 1.51E-03
Donn <sup>®</sup> Brand Heavy E  Use of Primary Resources Renewable primary resources used as an energy carrier (RPRE) Renewable primary resources with energy content used as material (RPRM) Non-renewable primary resources with energy content used as material (NRPRE) Non-renewable primary resources with energy content used as material (NRPRM)  Secondary material, secondary fuel and recovered energy Secondary material (SM) Renewable secondary fuel (RSF) Non-renewable secondary fuel (RSF) Renewable secondary fuel (RSF) Renewable secondary fuel (RSF) Renewable secondary fuel (NRSF) Renewable nergy (RE) Consumption of fresh water  Additional inventory parameters for transparency Removals and emissions associated with biogenic carbon content of the bio-based product Emission from calcination and uptake from carbonation Removals and emission associated with biogenic carbon content of the bio-based packaging Emissions from combustion of waste from renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emissions from combustion of waste from non-renewable sources used in production processes Emisons from combustion for acting the product p	Uty Fineli Units MJ, NCV MJ, N	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3 2.24E+02 1.21E+02	M/DXLF <sup>Th</sup> A4 2.92E401 0.00E400 7.33E402 0.00E4000 0.00E40000000000	A Grid - 2 A A 1.31E+02 0.00E+00 2.73E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+01 AS 0.00E+00 0.00E+00 0.00E+01 6.45E-01 5.20E+02 0.00E+00 0.00E+00 0.00E+00 5.20E+02 0.00E+00 0.00E+00 5.20E+02 0.00E+00 0.00E+00 5.20E+02 0.00E+00 0.00	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C2 7.03E-00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.42E+02 0.00E+00 0.00E+00 1.42E+02 0.00E+000E+0	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.554E-09 2.60E+02	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 Total A1-C4 2.41E+02 4.36E+02	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.34E-01 0.00E+00
Donn <sup>®</sup> Brand Heavy I      Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources used as an energy carrier (NRPRE)     Non-renewable primary resources with energy content used as material (NRPRM)     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Renewable secondary fuel (NRSF)     Renewable energy (RE)     Consumption of fresh water     Additional inventory parameters for transparency     Removals and emissions associated with biogenic carbon content of the bio-based product     Emission from calcination and uptake from carbonation     Removals and emission associated with biogenic carbon content of the bio-based packaging     Emissions from combustion of waste from non-renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Indicators describing waste     Hazardous waste disposed     Non-hazardous waste disposed     High-level radioactive waste     Intermediate and low-level waste	Uty Finel Units MJ, NCV MJ, NC	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3 2.24E+02 1.21E+02	M /DXLF <sup>Th</sup> A4 2.92E+01 0.00E+00 7.33E+02 0.00E+00	A         Grid - 2           AS         1.31E+02           0.00E+00         2.73E+03           0.00E+00         2.55E-01           0.00E+00         0.00E+00           0.00E+00         0.00E+00           1.36E+01         3.65E+01           0.00E+00         0.00E+00           0.00E+00         0.00E+00           0.00E+00         0.00E+00           0.00E+00         0.00E+00           1.52E-02         0.00E+00           1.63E-03         5.48E+01           1.05E-02         1.05E+02	C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.42E-02 0.00E+00 0.00E+00 0.00E+00 1.42E-02 0.00E+00 1.53E-02 5.06E-04	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 5.54E-09 2.60E+02 5.54F=04	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 7.01E-01 0.00E+00 7.01E-01 0.00E+00 Total A1-C4 2.41E-02 4.36E+02 1.43E-01 N/A	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.03E-04 1.03E-04 1.51E-03
Donn <sup>®</sup> Brand Heavy I     Use of Primary Resources     Renewable primary resources used as an energy carrier (RPRE)     Renewable primary resources with energy content used as material (RPRM)     Non-renewable primary resources with energy content used as material (NRPRM)     Non-renewable primary resources with energy content used as material (NRPRM)     Secondary material, secondary fuel and recovered energy     Secondary material (SM)     Renewable secondary fuel (RSF)     Non-renewable secondary fuel (RSF)     Renewable secondary fuel (RSF)     Renewable energy (RE)     Consumption of fresh water     Additional inventory parameters for transparency     Removals and emissions associated with biogenic carbon content of the bio-based product     Emission from calcination and uptake from carbonation     Removals and emissions associated with biogenic carbon content of the bio-based packaging     Emissions from combustion of waste from renewable sources used in production processes     Emissions from combustion of waste from non-renewable sources used in production processes     Indicators describing waste     Non-hazardous waste disposed     Non-hazardous waste disposed	Uty Fineli Units MJ, NCV MJ, NCV MJ, NCV Units kg MJ, NCV MJ,	ne® DXF 1 A1-A3 2.44E+03 0.00E+00 3.46E+04 0.00E+00 A1-A3 3.38E+00 0.00E+00	M /DXLF <sup>Th</sup> A4 2.92E401 0.00E400 7.33E402 0.00E4000 0.00E40	A Grid - 2 A A A 1.31E+02 0.00E+00 2.73E+03 0.00E+00 0.00E	C1 0.00E+00	C2 7.03E+00 0.00E+00 1.76E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.42E+02 0.00E+00 1.42E+02 0.00E+00 1.42E+02 0.00E+00 1.42E+02 0.00E+00 1.42E+02 0.00E+00 1.42E+02 0.00E+00 1.42E+02 0.00E+00 1.42E+02 0.00E+00 1.42E+02 0.00E+00 1.42E+02 0.00E+00 1.42E+02 0.00E+00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E	0.00E+00 0.00E+00	7.02E+00 0.00E+00 5.22E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 5.54E-09 2.60E+02 5.47E-04 N/A	2.68E+03 0.00E+00 3.83E+04 0.00E+00 Total A1-C4 3.64E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.54E+02 1.43E+02 1.43E+02	5.42E+02 0.00E+00 -1.37E+04 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.34E-01 0.00E+00 0.00E+00 1.34E-01 0.00E+00 0.00E+00 1.34E-01 0.00E+00 0.00E+00 1.34E-01 0.00E+000E+0

kg

kg

MJ. NCV

0.00E+00



Materials for recycling (MR)

Materials for energy recovery (MER)

covered energy exported (EE)

ASTM INTERNATIONAL WWW.ASTM.ORG COPYRIGHT ©2014 0.00E+00

0.00E+00

0.00E+00

0.00E+00

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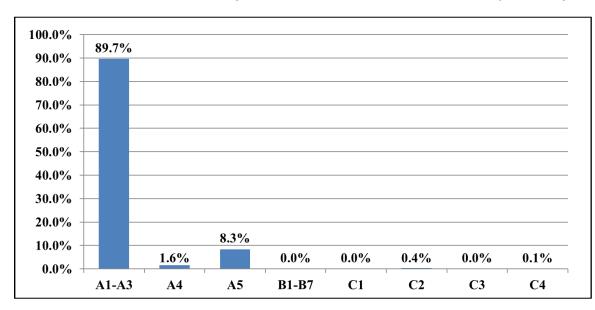
0.00E+00 0.00E+00 0.00E+00



Comparisons cannot be made between product-specific or industry average EPDs at the design stage of a project, before a building or construction works has been specified. Comparisons may be made between product-specific or industry average EPDs at the time of product purchase only when product or construction works performance and specifications have been established and serve as a functional unit for comparison. Environmental impact results shall be converted to a functional unit basis before any comparison is attempted. Any comparison of EPDs shall be subject to the requirements of ISO 21930 or EN 15804. EPDs are not comparative assertions and are either not comparable or have limited comparability when they have different system boundaries, are based on different product category rules or are missing relevant environmental impacts. Such comparisons can be inaccurate and could lead to erroneous selection of materials or products that are higher impact, at least in some impact categories.

### 5. LCA Interpretation

The A1-C4 LCA results for the USG<sup>™</sup> Donn<sup>®</sup> Brand Intermediate Duty Fineline<sup>®</sup> DXF<sup>™</sup>/DXLF<sup>™</sup> Acoustical Suspension System were dominated by product manufacturing; specifically the production of the steel coil.









### 6. References

#### LCA Report

A Cradle-to-Gate and Cradle-to-Grave Life Cycle Assessment of USG Suspension System Products, 2/5/24. USG (Confidential)

#### Product PCR

PCR for Building-Related Products and Services - Part A: Calculation Rules for the LCA and Requirements Project Report, (IBU/UL Environment document number 10010, revision V3.2, December 2018)

UL Environment: Product Category Rules for Building-Related Products and Services Part B: Metal Ceiling and Wall System EPD Requirements, January 15, 2020

#### Sustainability Reporting Standards

EN 15804:2012-04 - Sustainability of construction works — Environmental Product Declarations — Core rules for the product category of construction product

ISO 14025:2006 - Environmental labels and declarations — Type III environmental declarations — Principles and procedures

ISO 14040:2006/Amended 1:2020 - Environmental management – Life cycle assessment – Principles and framework

ISO 14044:2006/amended 2: 2020 - Environmental management – Life cycle assessment – Requirements and guidelines

ISO 14046:2013 - Environmental management- Water footprint- Principles, requirements and guidelines

ISO 15392:2008 - Sustainability in building construction- General principles

ISO 15686-1:2011 - Buildings and constructed assets- Service life planning- Part 1: General principles

ISO 15686-2:2008 - Buildings and constructed assets- Service life planning Part 2: Service life prediction procedures

ISO 15686-7:2008 - Buildings and constructed assets- Service life planning Part 7: Performance evaluation for feedback of service life data from practice

ISO 15686-8:2008 - Buildings and constructed assets- Service life planning Part 8: Reference service life and service life estimation

ISO 21930:2017 - Sustainability in buildings and civil engineering works — Core rules for environmental product declarations of construction products and services

