Environmental Product Declaration

In accordance with ISO 14025 and EN 15804:2012+A2:2019 for:

DESSO Carpet Tiles, 0% recycled PA6 + EcoBase

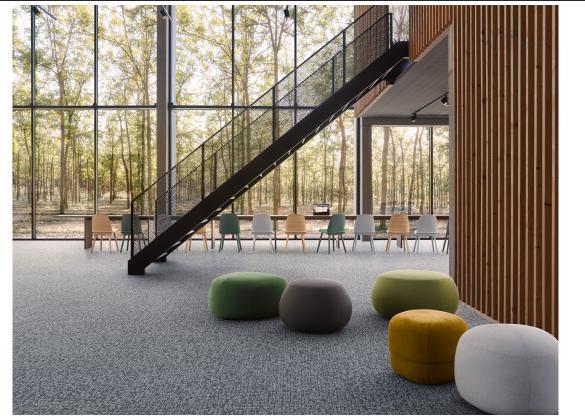
from





Programme: Programme operator: EPD registration number: Publication date: Valid until: The International EPD® System, <u>www.environdec.com</u> EPD International AB S-P-05896 2023-03-27 2028-03-27

An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com









General information

Programme information

Programme:	The International EPD [®] System
Address:	EPD International AB Box 210 60 SE-100 31 Stockholm Sweden
Website:	www.environdec.com
E-mail:	info@environdec.com

CEN standard EN 15804 serves as the Core Product Category Rules (PCR)

Product category rules (PCR): PCR 2019:14 version 1.11 and c-PCR-004 Resilient, textile and laminate floor coverings (EN 16810)

PCR review was conducted by: The Technical Committee of the International EPD® System lead by Claudia A Peña. A full list of members available on www.environdec.com. The review panel may be contacted via info@environdec.com

Independent third-party verification of the declaration and data, according to ISO 14025:2006:

 \Box EPD process certification \boxtimes EPD verification

Third party verifier: Damien Prunel from LCIE Bureau Veritas

Procedure for follow-up of data during EPD validity involves third party verifier:

🛛 Yes 🛛 🗆 No

The EPD owner has the sole ownership, liability, and responsibility for the EPD.

EPDs within the same product category but from different programs may not be comparable. EPDs of construction products may not be comparable if they do not comply with EN 15804. For further information about comparability, see EN 15804 and ISO 14025.



Company information

<u>Owner of the EPD:</u> Tarkett <u>Contact:</u> Sandy Bentmim (sandy.bentmim@tarkett.com) <u>Description of the organisation:</u>

With an international coverage and a wide range of products, Tarkett has over 130 years of experience in providing integrated solutions for floorings to professionals and end users. Many of the most important architectural firms in the world and building professionals have chosen Tarkett for the value of its products and for its consultation and service abilities. Therefore, Tarkett floorings and sport surfaces are present in several prestigious architectural reference points. Tarkett offers integrated solutions for floorings, able to meet the particular needs of customers. Our wide range of designs, colours and models provides an infinite series of possibilities, contributing to create a positive environment and a better quality of life for people.

Tarkett operates with the utmost respect for the environment towards the realization of eco-friendly products.

Tarkett's commitment to the environment is woven throughout its business. Cradle-to-Cradle principles are, in fact, the basis of the design and production of every solution. Particularly, the lifecycle analysis is used to continuously improve the production process, and so the products until their use stage, disposal and recycling. The development of products that can be reused within internal production cycles, or external ones in case of other individuals, has been an integral part of the business strategy aimed at sustainability for many years. The WCM (World Class Manufacturing) management system has been developed in 2009, and it includes the environmental pillar aimed to the elimination of losses and to the growth of process efficiency.

<u>Product-related or management system-related certifications:</u> ISO 14001, ISO 45001, WCM manufacturing site

Name and location of production site(s): Dendermonde (Belgium) and Waalwijk (Netherlands)

Product information

<u>Product name:</u> DESSO Carpet tiles, 0% recycled PA6 + EcoBase <u>Product identification:</u> Carpet tiles with a 100% recyclable DESSO EcoBase^{®1} backing and PA6 yarn <u>Product description:</u> Loose-lay carpet tiles (EN 1307) with DESSO EcoBase[®] backing developed by Tarkett. The service lifetime recommended by Tarkett is 10 years <u>UN CPC code:</u> 2223Z

¹ Assured by Lloyds Register

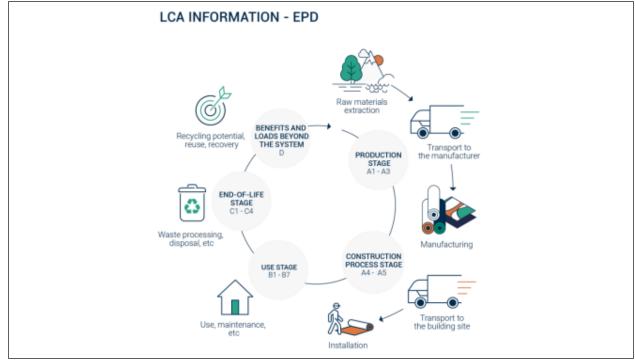


LCA information

<u>Functional unit / declared unit:</u> 1m² of floor covering with a reference service life (RSL) of 1 year for specified characteristics application and use areas according to ISO 1307 and EN ISO 10874. <u>Reference service life:</u> 1 year <u>Time representativeness:</u> 2021 <u>Database(s) and LCA software used:</u> Ecoinvent 3.6, Simapro 9.1

Description of system boundaries: Cradle to grave and module D (A + B + C + D)

System diagram:



<u>More information</u>: The products are classified in accordance with EN ISO 10874, (previously EN 685) and in reference to the FCSS (Floor Covering Standard Symbols) to be used in all professional areas which require class 33 or less.



Modules declared, geographical scope, share of specific data (in GWP-GHG indicator) and data variation:

	Pro	duct st	age	Constr proc sta		Use stage E						Er	nd of li	fe sta	ge	Resource recovery stage	
	Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling- potential
Module	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Modules declared	х	х	х	х	х	ND	Х	ND	ND	ND	ND	ND	х	х	Х	х	х
Geography					Europ	ean te	chnolog	gy and	proces	s cover	age						European
Specific data used	-	100%	100%	100%	100%	-	-	-	-	-	-	-	-	-	recy	% for cling cess	100% for recycling process
Variation – products		<33%								-	-	-	-	-	-	-	-
Variation – sites	Ν	lot releva	nt	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Content information

Characteristics	Product Thickness [mm]	Product Weight [kg/m²]	Dimensional stability [%]
Yarn range: 400-499		3.757	
Yarn range: 500-599	7.0	3.857	<0.2
Yarn range: 600-699		3.957	
Yarn range: 700-799		4.057	

Chemical composition for above mentioned products is presented in the following table:

Product		Weig	ht [%]		Post-consumer	Renewable
components	400-499	500-599	600-699	700-799	material, weight-%	material, weight-%
Non-woven (PET/PP)	4	4	4	4	0	0
Yarn PA6	13	15	18	20	0	0
SBR-compound	6	6	5	5	0	0
Aluminium trihydrate	14	14	13	12	0	0
Primary chalk	3	3	3	3	0	0
Glass scrim	1	1	1	1	0	0
EcoBase (w. recycled chalk)	59	57	56	55	80	0
Packaging materials		Weig	ht, kg		Weight-% (versu	us the product)
Cardboard box		0.1	109		3	
Wooden pallet		0.1	100		2	

Material Health

DESSO Carpet Tiles with 0% recycled PA6 yarn and EcoBase backing are C2C-Silver certified. Raw materials are assessed against 'Material Health' criteria as defined by the C2C product certification standard v3.1 and the C2C Material Health Assessment methodology (see <u>www.c2ccertified.org</u>).



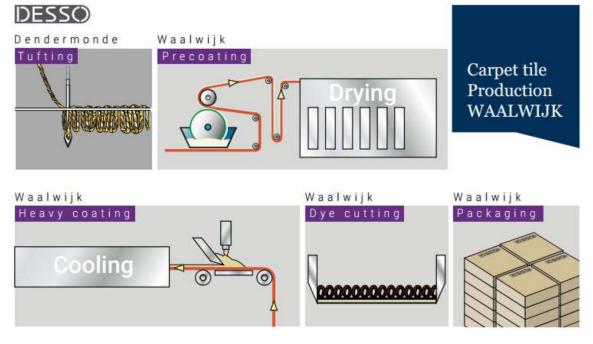
Recycled content (third-party verified)

DESSO Carpet Tiles with 0% recycled PA6 yarn and EcoBase backing contains up to 46.8% recycled content. The products are delivered with the Cradle to Cradle[®] Gold-certified DESSO EcoBase[®] backing, which is 100% recyclable² and designed with 100% positively defined³ ingredients, including chalk upcycled from the Dutch drinking water industry, as the raw material in our DESSO EcoBase carpet backing.

Product manufacturing

Production process

The production of carpet tiles is presented in the following figure:



Renewable energy

Our carpet tiles are produced with energy from 100% renewable sources. The electricity is coming from renewable sources with Guarantees of Origin.

² Assured by Lloyds Register

³ Positively defined means all ingredients have been assessed as either Green (optimal) or Yellow (tolerable) according to the Cradle to Cradle® assessment criteria. As described in Cradle to Cradle® Certified Product Standard Version 3.1



Production waste

Waste type	DESSO Carpet Tiles, 0% recycled PA6 + EcoBase
Non-hazardous waste to incineration in the cement industry [kg/m²]	2.23E-01
Non-hazardous wastewater to external treatment [kg/m²]	2.04E-02

Delivery and installation

Delivery

The average distribution distance between the factories and the installation site is presented in the following table. The distribution is made by truck.

	DESSO Carpet Tiles, 0% recycled PA6 + EcoBase
Average distance of delivery [km]	7.00E+02

Installation

Carpet flooring do not use any electric tools for their installation. If a cut is necessary, it could be done with a manual tool.

Waste

During the installation approximately 3% of the flooring is lost as off-cuts. All flooring losses are sent to incineration.

Packaging

50% of the packaging materials goes to incineration and 50% goes to landfill except for wooden pallet which are recycled.

Use Stage

Reference Service Life (RSL)

For this product, the stated RSL is 1 year. It should be noted, however, that the service life of a carpet flooring may vary depending on the amount and nature of floor traffic and the type and frequency of maintenance. The manufacturer has provided this service life on the basis of his experience of flooring manufacture and supply. This RSL is applicable as long as the product use complies with that defined by ISO 14041 and ISO 10874 in accordance with the product's classification. The service lifetime recommended by Tarkett is 10 years.



Cleaning and maintenance

The maintenance step concerns the cleaning of the floor. Tarkett has provided the recommended maintenance routine for the product throughout the reference life. Water, detergent and electricity consumption of the cleaning machine are considered in the LCA study:

- Common maintenance: 2 times / week
- Periodical maintenance: 2 times / year

Description	Amount	Unit
Electricity consumption	4.42E-01	kWh/year/m²
Water consumption	5.70E-02	L/year/m²
Detergent consumption	3.00E-03	L/year/m ²

Prevention of structural damage

To avoid excessive wear, usage should be restricted to the stated areas of application as outlined by the norm ISO 10874.

End of Life

Tarkett has implemented a take-back and recycling program called ReStart. Via Tarkett's Sales Network and with the help of logistic partners, post-use carpet tiles are collected and returned to Tarkett's carpet recycling centre in Waalwijk, the Netherlands. DESSO's EcoBase products have been designed with disassembly and recycling in mind, which allows for recovery of yarn and backing materials in a closed-cycle and without loss of quality. 100% of all materials in PA6 carpet tiles with EcoBase backing can be recycled.⁴ The recycling process⁵ is developed by Tarkett and unique in the market.

Transport

Carpets are recycled in the same factory where they are produced. So, the distance of transport between installation sites and recycling site is the same as for the module A4 (average delivery distance to customer).

	DESSO Carpet Tiles, 0% recycled PA6 + EcoBase
Transport distance to Tarkett's carpet recycling centre [km]	7.00E+02

⁴ On average 75% is recycled in a closed-loop and the remaining 25% as co-production in the cement industry, with small variances per collection.

⁵ Recyclability has been verified by Lloyds Register.



Waste processing

Basically, the process separates yarn and EcoBase[®] backing and makes these main material streams available for the next carpet cycle, without loss of value and/or material properties (closed-loop recycling).

A small rest stream (mainly tuftcloth and SBR-compound) cannot be reused yet at the desired quality level. At this moment in time those streams will be considered as fuels and raw material (chalk and ATH) for the cement industry, until other outlets will be found.

Resource recovery

Module D has been considered for this study in order to evaluate the possible environmental benefits obtainable through the re-use of secondary materials in other production cycles. Particularly, the module clearly describes the benefits and the environmental charges deriving from reusable products exiting from the system, such as secondary materials or secondary fuels.

Three outlets have been considered:

- Yarn
- DESSO EcoBase[®] backing
- Others compounds

PA6 yarn will be sent to Tarkett's yarn supplier Aquafil for depolymerization and reuse in new carpet yarns. This post-use material stream can be used for 100% and without quality loss for the production of new carpet yarns.

DESSO EcoBase[®] backing is 100% recyclable in Tarkett's own production process. Post-use material can be directly recovered in Tarkett's production for the same purpose and avoids the production and use of primary material.

A small rest fraction is recycled in the cement industry. The chalk and ATH content substitutes primary chalk, which is a raw material for the production of cement. Organic residues substitute primary fuel for processing.

Interpretation of results

The environmental impact of DESSO EcoBase products should be considered over the whole life cycle and beyond, including all module A-D. DESSO EcoBase consists of a novel recipe, specially designed to enable post-consumer recycling on a high level, which means, for the same purpose and without quality loss.

The new recipe was introduced in 2011. Because of the relatively long service life-time (10 years), the majority of current products are still in their first cycle, meaning that recycled content is still very minimal and not included in the calculations.



Environmental Information

Potential environmental impact

			Results per functional or declared unit - yarn weight 400-499 g/m2 (End of Life -> Recycling)														
Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	В7	C1	C2	C3	C4	D	
GWP-total	kg CO2 eq	7.42E+00	1.16E-01	4.79E-01	0.00E+00	1.78E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-01	9.52E-02	7.43E-01	-4.43E+00	
GWP-fossil	kg CO2 eq	7.35E+00	1.16E-01	3.69E-01	0.00E+00	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-01	8.88E-02	7.43E-01	-4.44E+00	
GWP- biogenic	kg CO2 eq	5.88E-02	4.64E-05	1.10E-01	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	6.30E-03	6.11E-05	1.39E-02	
GWP-Luluc	kg CO2 eq	8.99E-03	4.57E-05	2.78E-04	0.00E+00	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	1.09E-04	6.31E-06	-3.48E-03	
AP	kg CFC11 eq	1.38E-06	2.68E-08	4.40E-08	0.00E+00	8.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-08	4.49E-09	1.63E-09	-1.02E-07	
ODP	mol H+ eq	2.26E-02	4.65E-04	7.68E-04	0.00E+00	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	6.61E-04	1.72E-04	-1.13E-02	
EP- freshwater	kg P eq	9.27E-04	7.49E-06	2.98E-05	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-06	4.53E-05	2.21E-06	-5.54E-04	
EP-marine	kg N eq	5.07E-03	1.39E-04	2.84E-04	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	1.08E-04	9.65E-05	-1.40E-03	
EP-terrestrial	mol N eq	4.98E-02	1.52E-03	1.82E-03	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	1.13E-03	8.23E-04	-1.81E-02	
POCP	kg NMVOC eq	1.72E-02	4.66E-04	6.35E-04	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	3.41E-04	2.00E-04	-7.72E-03	
ADP- minerals&me tals*	kg Sb eq	2.65E-05	4.05E-07	8.42E-07	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-07	7.60E-06	5.28E-08	-1.33E-05	
ADP-fossil*	MJ	1.54E+02	1.75E+00	4.83E+00	0.00E+00	3.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E+00	8.29E-01	1.39E-01	-1.02E+02	
WDP	m3 depriv.	1.17E+00	5.10E-03	4.30E-02	0.00E+00	4.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-03	4.21E-02	3.51E-02	3.75E+00	

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Indicator	Unit	A1-A3	Α4	A5	B1	B2	B3	B4	B5	B6	В7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq	8.23E+00	1.16E-01	5.10E-01	0.00E+00	1.78E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-01	9.52E-02	7.43E-01	-4.93E+00
GWP-fossil	kg CO2 eq	8.15E+00	1.16E-01	4.00E-01	0.00E+00	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-01	8.88E-02	7.43E-01	-4.94E+00
GWP- biogenic	kg CO2 eq	6.13E-02	4.64E-05	1.10E-01	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	6.30E-03	6.11E-05	1.73E-02
GWP-Luluc	kg CO2 eq	1.03E-02	4.57E-05	3.17E-04	0.00E+00	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	1.09E-04	6.31E-06	-3.98E-03
AP	kg CFC11 eq	1.38E-06	2.68E-08	4.40E-08	0.00E+00	8.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-08	4.49E-09	1.63E-09	-9.60E-08
ODP	mol H+ eq	2.40E-02	4.65E-04	8.13E-04	0.00E+00	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	6.61E-04	1.72E-04	-1.14E-02
EP- freshwater	kg P eq	9.27E-04	7.49E-06	2.98E-05	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-06	4.53E-05	2.21E-06	-5.52E-04
EP-marine	kg N eq	5.51E-03	1.39E-04	2.98E-04	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	1.08E-04	9.65E-05	-1.32E-03
EP-terrestrial	mol N eq	5.38E-02	1.52E-03	1.95E-03	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	1.13E-03	8.23E-04	-1.79E-02
POCP	kg NMVOC eq	1.86E-02	4.66E-04	6.78E-04	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	3.41E-04	2.00E-04	-7.98E-03
ADP- minerals&me tals*	kg Sb eq	2.67E-05	4.05E-07	8.50E-07	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-07	7.60E-06	5.28E-08	-1.34E-05
ADP-fossil*	MJ	1.70E+02	1.75E+00	5.29E+00	0.00E+00	3.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E+00	8.29E-01	1.39E-01	-1.14E+02
WDP	m3 depriv.	1.18E+00	5.10E-03	4.37E-02	0.00E+00	4.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-03	4.21E-02	3.51E-02	4.61E+00

Acronyms GWP-fossil = Global Warming Potential fossil fuels; GWP-blogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential and use and land use and land use change; ODP = Depletion potential of the stratospheric ozone layer, AP = Aclification potential and the stratospheric component of nutrients reaching freshwater end compartment; EP-marine = Eutrophication of nutrients reaching marine end compartment; EP-instinal = Eutrophication potential and use stratospheric come; APD-instinal E-leutophication potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation -weighted water consumption



Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-total GWP-fossil	kg CO2 eq kg CO2 eq	9.03E+00 8.95E+00	1.16E-01 1.16E-01	5.42E-01 4.31E-01	0.00E+00 0.00E+00	1.78E-01 1.76E-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	1.16E-01 1.16E-01	9.52E-02 8.88E-02	7.43E-01 7.43E-01	-5.43E+0
GWP- biogenic	kg CO2 eq	6.38E-02	4.64E-05	1.10E-01	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	6.30E-03	6.11E-05	2.07E-0
	kg CO2 eq	1.16E-02	4.57E-05	3.57E-04	0.00E+00	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-05	1.09E-04	6.31E-06	-4.49E-0
AP	kg CFC11 eq	1.38E-06	2.68E-08	4.40E-08	0.00E+00	8.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-08	4.49E-09	1.63E-09	-9.05E-0
ODP	mol H+ eq	2.54E-02	4.65E-04	8.57E-04	0.00E+00	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	6.61E-04	1.72E-04	-1.15E-
EP- reshwater	kg Peq	9.27E-04	7.49E-06	2.98E-05	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-06	4.53E-05	2.21E-06	-5.50E-0
P-marine	kg N eq	5.95E-03	1.39E-04	3.12E-04	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	1.08E-04	9.65E-05	-1.25E-
P-terrestrial	mol N eq	5.78E-02	1.52E-03	2.08E-03	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	1.13E-03	8.23E-04	-1.78E-
POCP	kg NMVOC eq	1.99E-02	4.66E-04	7.20E-04	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	3.41E-04	2.00E-04	-8.24E-0
ADP- inerals&me tals*	kg Sb eq	2.70E-05	4.05E-07	8.57E-07	0.00E+00	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-07	7.60E-06	5.28E-08	-1.35E-0
DP-fossil*	MJ	1.85E+02	1.75E+00	5.76E+00	0.00E+00	3.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E+00	8.29E-01	1.39E-01	-1.26E+
WDP	m3 depriv.	1.19E+00	5.10E-03	4.44E-02	0.00E+00	4.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-03	4.21E-02	3.51E-02	5.47E+0
	ozone layer;	AP = Acidifica	tion potential, i ompartment; E	Accumulated E P-terrestrial =	GWP-biogenic Exceedance; El Eutrophication ssil = Abiotic de Results pe	P-freshwater = potential, Acc epletion for fos	Eutrophicatio	n potential, fra eedance; POC potential; WD	ction of nutrier P = Formation P = Water (use	nts reaching fr potential of tr er) deprivation	eshwater end opospheric ozi potential, depr	compartment; one; ADP-mine	EP-marine = E erals&metals =	Eutrophication = Abiotic deple	potential, fract	ion of nutri
	ozone layer;	AP = Acidifica	tion potential, i ompartment; E	Accumulated E P-terrestrial =	Exceedance; El Eutrophication ssil = Abiotic de	P-freshwater = potential, Acc epletion for fos	Eutrophicatio umulated Exce ssil resources	n potential, fra eedance; POC potential; WD	ction of nutrier P = Formation P = Water (use	nts reaching fr potential of tr er) deprivation	eshwater end opospheric ozi potential, depr	compartment; one; ADP-mine	EP-marine = E erals&metals =	Eutrophication = Abiotic deple	potential, fract	ion of nutri
	ozone layer;	AP = Acidifica	tion potential, i ompartment; E	Accumulated E P-terrestrial =	Exceedance; El Eutrophication ssil = Abiotic de	P-freshwater = potential, Acc epletion for fos	Eutrophicatio umulated Exce ssil resources	n potential, fra eedance; POC potential; WD	ction of nutrier P = Formation P = Water (use	nts reaching fr potential of tr er) deprivation	eshwater end opospheric ozi potential, depr	compartment; one; ADP-mine	EP-marine = E erals&metals =	Eutrophication = Abiotic deple	potential, fract	ion of nutri
Acronyms	ozone layer; reaching i	AP = Acidifica marine end co	tion potential, , ompartment, E reso	Accumulated E P-terrestrial = urces; ADP-fos	Exceedance; El Eutrophication asil = Abiotic de Results pe	P-freshwater = potential, Acc apletion for fos r functional or	Eutrophicatio umulated Exce ssil resources declared unit	n potential, fra eedance; POC potential; WD t - yarn weight	ction of nutrier P = Formation P = Water (use :700-799 g/m2	nts reaching fr a potential of tr er) deprivation 2 (End of Life	eshwater end opospheric ozi potential, depr -> Recycling)	compartment; one; ADP-mine ivation-weight	EP-marine = E erals&metals = ed water cons	Eutrophication = Abiotic deple umption	potential, fract	ion of nutri or non-foss
Acronyms Indicator GWP-total GWP-fossil	ozone layer; reaching r Unit	AP = Acidifica marine end co A1-A3	tion potential, ompartment, E reso A4	Accumulated E P-terrestrial = urces; ADP-fo	Exceedance; El Eutrophication ssil = Abiotic du Results pe B1	P-freshwater = potential, Acc apletion for fos r functional or B2	Eutrophicatio umulated Exce ssil resources declared unit	n potential, fra eedance; POC potential; WD t - yarn weight B4	ction of nutrier P = Formation P = Water (use 700-799 g/m) B5	nts reaching fr a potential of tr ar) deprivation 2 (End of Life B6	eshwater end opospheric ozr potential, depr -> Recycling) B7	compartment; one; ADP-mine ivation-weight C1	EP-marine = E erals&metals = ed water cons	Eutrophication = Abiotic deple umption C3	potential, fraction potential f	ion of nutri or non-foss D
Acronyms Indicator SWP-total GWP-fossil GWP-	ozone layer; reaching r Unit kg CO2 eq	AP = Acidifica marine end co A1-A3 9.83E+00	tion potential, ompartment, E reso A4 1.16E-01	Accumulated E P-terrestrial = urces; ADP-fo: A5 5.73E-01	Exceedance; El Eutrophication ssil = Abiotic do Results pe B1 0.00E+00	P-freshwater = potential, Acc apletion for fos r functional or B2 1.78E-01	Eutrophicatio umulated Exce ssil resources declared unit B3 0.00E+00	n potential, fra eedance; POC potential; WD t - yarn weight B4 0.00E+00	ction of nutrier P = Formation P = Water (use .700-799 g/m) B5 0.00E+00	nts reaching fr a potential of tr r) deprivation 2 (End of Life B6 0.00E+00	eshwater end opospheric ozi potential, depr > Recycling) B7 0.00E+00	compartment; one; ADP-mine ivation-weight C1 0.00E+00	EP-marine = E erals&metals = ed water consi C2 1.16E-01	Eutrophication = Abiotic deple umption C3 9.52E-02	potential, fraction potential f	D -5.92E+ -5.94E+
Acronyms Indicator GWP-total GWP-fossil GWP- biogenic	Unit kg CO2 eq kg CO2 eq kg CO2 eq kg CO2 eq	AP = Acidifica marine end co A1-A3 9.83E+00 9.75E+00	A4 1.16E-01 1.16E-01	Accumulated E P-terrestrial = urces; ADP-for A5 5.73E-01 4.62E-01	Exceedance; El Eutrophication ssil = Abiotic de Results pe B1 0.00E+00 0.00E+00	P-freshwater = potential, Acc epletion for fos r functional or B2 1.78E-01 1.76E-01	Eutrophicatio umulated Exce ssil resources declared unit B3 0.00E+00 0.00E+00	n potential, fra eedance; POC potential; WD L - yarn weight B4 0.00E+00 0.00E+00	ction of nutrie P = Formation P = Water (use .700-799 g/m) B5 0.00E+00 0.00E+00	nts reaching fr a potential of tr r) deprivation 2 (End of Life B6 0.00E+00 0.00E+00	eshwater end opospheric ozi potential, depr > Recycling) B7 0.00E+00 0.00E+00	compartment; one; ADP-mine ivation-weight C1 0.00E+00 0.00E+00	EP-marine = E rals&metals = ed water cons C2 1.16E-01 1.16E-01	Eutrophication = Abiotic deple umption C3 9.52E-02 8.88E-02	C4 7.43E-01 7.43E-01	ion of nutri or non-foss D -5.92E+
Acronyms Indicator GWP-total GWP-fossil GWP-	Unit kg CO2 eq kg CO2 eq kg CO2 eq	AP = Acidifica marine end co A1-A3 9.83E+00 9.75E+00 6.63E-02	A4 1.16E-01 1.16E-01 4.64E-05	Accumulated E P-terrestrial = urces; ADP-fo: A5 5.73E-01 4.62E-01 1.10E-01	B1 0.00E+00 0.00E+00 0.00E+00	P-freshwater = potential, Acc epletion for fos r functional or B2 1.78E-01 1.76E-01 1.11E-03	B3 0.00E+00 0.00E+00 0.00E+00	n potential, fra eedance; POC potential; WD L- yarn weight B4 0.00E+00 0.00E+00 0.00E+00	ction of nutrier P = Formation P = Water (use 700-799 g/m) B5 0.00E+00 0.00E+00 0.00E+00	nts reaching fr potential of tr ar) deprivation 2 (End of Life B6 0.00E+00 0.00E+00 0.00E+00	eshwater end pospheric ozy potential, depr Recycling) B7 0.00E+00 0.00E+00 0.00E+00	compartment; one; ADP-mine ivation-weight C1 0.00E+00 0.00E+00 0.00E+00	EP-marine = 8 erals&metals = ed water cons C2 1.16E-01 1.16E-01 4.65E-05	C3 9.52E-02 8.88E-02 6.30E-03	C4 7.43E-01 7.43E-01 6.11E-05	D -5.92E+ -5.94E+ 2.41E-C -5.00E-1
Acronyms Indicator SWP-total WP-tossil GWP- biogenic WP- Luluc AP ODP	ozone layer, reaching i Unit kg CO2 eq kg CO2 eq kg CO2 eq kg CO2 eq kg CO2 eq	AP = Acidifica marine end co A1-A3 9.83E+00 9.75E+00 6.63E-02 1.29E-02	A4 1.16E-01 1.16E-01 4.64E-05 4.57E-05	Accumulated E P-terrestrial = urces; ADP-fo: 65.73E-01 4.62E-01 1.10E-01 3.97E-04	B1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	P-freshwater = potential, Acc apletion for fos functional or B2 1.78E-01 1.76E-01 1.11E-03 6.50E-04	Eutrophicatio umulated Exc ssil resources declared unit B3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	n potential, fra eedance; POC potential; WD t- yarn weight B4 0.00E+00 0.00E+00 0.00E+00 0.00E+00	ction of nutrier P = Formation P = Water (use 700-799 g/m) B5 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	nts reaching fr potential of tr ar) deprivation 2 (End of Life B6 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	eshwater end pospheric ozi potential, depr B7 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	compartment; one; ADP-mine ivation-weight C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00	EP-marine = E rals&metals = ed water cons C2 1.16E-01 1.16E-01 4.65E-05 4.57E-05	Eutrophication = Abiotic deple umption C3 9.52E-02 8.88E-02 6.30E-03 1.09E-04	c4 7.43E-01 7.43E-01 6.11E-05 6.31E-06	D -5.92E+ -5.94E+ 2.41E-C
Acronyms Indicator SWP-total SWP-tossil GWP- biogenic WP-Luluc AP ODP EP-	ozone layer, reaching i Unit kg CO2 eq kg CO2 eq kg CO2 eq kg CO2 eq kg CO2 eq kg CC2 eq	AP = Acidifical marine end co A1-A3 9.83E+00 9.75E+00 6.63E-02 1.29E-02 1.38E-06 2.69E-02 9.27E-04	tion potential, impartment E reso A4 1.16E-01 1.16E-01 4.64E-05 4.57E-05 2.68E-08 4.65E-04 7.49E-06	Accumulated E P-terrestrial = urces; ADP-fo: 5.73E-01 4.62E-01 1.10E-01 3.97E-04 4.40E-08 9.02E-04 2.98E-05	Exceedance; El Eutrophication sial = Abiotic di Results pe B1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	P-freshwater = potential, Acc expletion for fos functional or B2 1.78E-01 1.76E-01 1.76E-01 1.11E-03 6.50E-04 8.90E-09 9.55E-04 1.74E-04	Eutrophicatio umulated Exc still resources declared unit 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	n potential, fra eedance; POC potential; WD L - yarn weight B4 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	ction of nutriei P = Formation P = Water (use 700.799 g/m, B5 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	B6 0.00E+00	eshwater end opospheric ozpospheric ozpospheric ozpospherio oz potential, deput 87 0.00€+00 0.00€+00 0.00€+00 0.00€+00 0.00€+00 0.00€+00 0.00€+00	compartment, one; ADP-mine; Vation-weight 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	EP-marine = 6 rais&metals = ed water cons C2 1.16E-01 1.16E-01 4.65E-05 4.57E-05 2.69E-08 4.72E-04 7.49E-06	Eutophication = Ablotic deple umption C3 9.52E-02 8.88E-02 6.30E-03 1.09E-04 4.49E-09 6.61E-04 4.53E-05	potential, fraction potential f C4 7.43E-01 7.43E-01 6.11E-05 6.31E-06 1.63E-09 1.72E-04 2.21E-06	D -5.92E+ -5.92E+ -5.94E+ 2.41E-0 -5.00E-1 -8.49E-1 -1.16E-1 -5.48E-1
Acronyms Indicator SWP-total WP-fossil GWP- biogenic WP- Luluc AP ODP EP- reshwater iP-marine	Unit kg CO2 eq kg CO2 eq kg CO2 eq kg CO2 eq kg CO2 eq kg CC2 eq kg CFC11 eq mol H+ eq kg P eq kg P eq	AP = Acidifical marine end co A1-A3 9.83E+00 9.75E+00 6.63E+02 1.29E+02 1.38E+06 2.69E+02 9.27E-04 6.39E+03	tion potential, mmpartment E reso A4 1.16E-01 1.16E-01 1.16E-01 4.64E-05 4.57E-05 2.68E-08 4.65E-04 7.49E-06 1.39E-04	Accumulated E P-terrestrial = urces; ADP-for 5.73E-01 4.62E-01 1.10E-01 3.97E-04 4.40E-08 9.02E-04 2.98E-05 3.26E-04	xxeedance; El Eutrophication sisi = Ablotic di Results pe B1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	P-freshwater = polential, Accepted poletion for for functional of B2 1.78E-01 1.76E-01 1.176E-01 1.11E-03 6.50E-04 8.90E-09 9.55E-04 1.74E-04 1.70E-04	Eutrophicatio umulated Exc sill resources B3 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 potential, fra eedance; POC potential; WD B4 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	ction of nutries P = Formation > Evarter (use 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	tts reaching fr potential of tr potential of tr deprivation 86 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	eshwater end opospheric ozpospheric ozpospheric ozpospheric ozpostal, depr Potential, depr B7 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	compartment, one; ADP-mine vivation-weight C1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	EP-marine = [rails&metals = d water cons C2 1.16E-01 1.16E-01 1.16E-05 4.57E-05 2.69E-08 4.72E-04 7.49E-06 1.42E-04	Eutophication Abiotic deple umption C3 9.52E-02 8.88E-02 6.30E-03 1.09E-04 4.49E-09 6.61E-04 4.53E-05 1.08E-04	potential, fraction potential f C4 7.43E-01 7.43E-01 6.11E-05 6.31E-06 1.63E-09 1.72E-04 2.21E-06 9.65E-05	D -5.92E+ -5.94E+ 2.41E-0 -5.00E-1 -8.49E-1 -1.16E-4 -5.48E-1 -1.17E-1
ndicator SWP-total WP-fossil GWP- biogenic WP- Luluc AP ODP EP- eshwater P-marine	Unit Unit kg CO2 eq kg CO2	AP = Acidifical marine end co A1-A3 9.83E+00 9.75E+00 6.63E-02 1.29E-02 1.38E-06 2.69E-02 9.27E-04	tion potential, impartment E reso A4 1.16E-01 1.16E-01 4.64E-05 4.57E-05 2.68E-08 4.65E-04 7.49E-06	Accumulated E P-terrestrial = urces; ADP-fo: 5.73E-01 4.62E-01 1.10E-01 3.97E-04 4.40E-08 9.02E-04 2.98E-05	Exceedance; El Eutrophication sial = Abiotic di Results pe B1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	P-freshwater = potential, Acc expletion for fos functional or B2 1.78E-01 1.76E-01 1.76E-01 1.11E-03 6.50E-04 8.90E-09 9.55E-04 1.74E-04	Eutrophicatio umulated Exc still resources declared unit 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	n potential, fra eedance; POC potential; WD L - yarn weight B4 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	ction of nutriei P = Formation P = Water (use 700.799 g/m, B5 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	B6 0.00E+00	eshwater end opospheric ozpospheric ozpospheric ozpospherio oz potential, deput 87 0.00€+00 0.00€+00 0.00€+00 0.00€+00 0.00€+00 0.00€+00 0.00€+00	compartment, one; ADP-mine; Vation-weight 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	EP-marine = 6 rrais&metals = ed water cons C2 1.16E-01 1.16E-01 4.65E-05 4.57E-05 2.69E-08 4.72E-04 7.49E-06	Eutophication = Ablotic deple umption C3 9.52E-02 8.88E-02 6.30E-03 1.09E-04 4.49E-09 6.61E-04 4.53E-05	potential, fraction potential f C4 7.43E-01 7.43E-01 6.11E-05 6.31E-06 1.63E-09 1.72E-04 2.21E-06	D -5.92E+ -5.94E+ 2.41E-0 -5.00E- -8.49E- -1.16E- -5.48E- -1.17E- -1.77E-
Indicator SWP-total WP-fossil GWP- biogenic WP- Luluc AP ODP EP- reshwater P-marine POCP ADP- nerals&me	Unit Unit kg CO2 eq kg CO2	AP = Acidifical marine end co 9.83E+00 9.75E+00 6.63E-02 1.28E-06 2.69E-02 9.27E-04 6.39E-03 6.19E-02	A4 1.18E-01 1.18E-01 1.18E-01 4.64E-05 4.57E-05 2.68E-04 7.49E-06 1.39E-04 1.52E-03	Accumulated E P-terrestrial = urces; ADP-for 5.73E-01 4.62E-01 1.10E-01 3.97E-04 4.40E-08 9.02E-04 2.98E-05 3.26E-04 2.20E-03	Exceedance; El Eutrophication sil = Ablottc di Results pe B1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	-freshwater - potential, Acc potential, Acc petietion for foot 1.78E-01 1.76E-01 1.11E-03 6.50E-04 8.90E-09 9.55E-04 1.74E-04 1.70E-04 1.70E-04	Eutrophicatio umulated Exc declared unit B3 0.00E+00 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 potential, fra researce; POC potential; WDC B4 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	clion of nutrier P = Formation = Water (use 700-799 g/m) B5 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	B6 0.00E+00 0.00E+00	eshwater end oppospheric ozpopsheric a (appospheric a) (appospheric between a (appospheric ozpospheric ozpospheric between a) (appospheric between a)	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	EP-marine = I rrais&metals = d water cons C2 1.16E-01 1.16E-01 4.65E-05 4.57E-05 2.69E-08 4.72E-04 7.49E-06 1.42E-04 1.45E-03	Eutophication = Ablotic deple umption 9.52E-02 8.88E-02 6.30E-03 1.09E-04 4.49E-09 6.61E-04 4.53E-05 1.08E-04 1.13E-03	potential, fraction potential f C4 7.43E-01 7.43E-01 6.11E-05 6.31E-06 1.63E-09 1.72E-04 2.21E-06 8.58E-05 8.23E-04	D -5.92E+ -5.94E+ 2.41E-0 -5.00E- -8.49E- -1.16E- -5.48E- -1.16E- -1.76E- -1.76E- -1.76E- -1.76E- -8.50E-
Acronyms Indicator SWP-total WP-fossil GWP- biogenic WP-Luuc AP ODP EP- reshwater P-marine 2-terrestrial POCP	unit kg CO2 eq kg CO2 eq C	AP = Acidifica marine end co A1-A3 9.83E+00 9.75E+00 6.63E-02 1.29E-02 1.29E-02 9.27E-04 6.39E-03 6.18E-02 2.13E-02	tion potential, pmpartment E reso A4 1.16E-01 1.16E-01 4.64E-05 4.65E-04 7.49E-06 1.39E-04 1.52E-03 4.66E-04	Accumulated E P-terrestrial = 4573E-01 4.22E-01 1.10E-01 3.377E-04 4.40E-08 9.02E-04 2.98E-05 3.26E-04 2.20E-03 7.63E-04	Exceedance; El Eutrophication sil = Abild:cd Results pe B1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	P-freshwater = potential, Accepted potential, Accepted B2 1.78E-01 1.76E-01 1.71E-03 6.50E-04 8.80E-09 9.55E-04 1.74E-04 1.74E-03 3.96E-04	Eutrophicatio umulated Exci sil resources declared unit B3 0.00E+00 0.00E+00 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 potential, fra readance; POC pedance; POC pedance; POC pedance; POC note:	ction of nutriers P = Formation P = Formation P = Water (use 700-799 gmm) B5 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Intersecting fr potential of tr potential of tr deprivation 2 (End of Life B6 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	eshwater end oppospheric ozpospheric ozpospheric ozpotential, deprintal, depr	compartment, one; ADP-mine vation-weight 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	EP-marine = Lerais and water consideration of the second s	Eutophication = Abiotic deple umption C3 9.52E-02 8.88E-02 6.30E-03 1.09E-04 4.49E-09 6.61E-04 4.53E-05 1.08E-04 1.13E-03 3.41E-04	potential, fraction potential f C4 7.43E-01 7.43E-01 6.11E-05 6.31E-06 1.63E-06 1.63E-06 9.65E-05 8.23E-04 2.00E-04	D -5.92E+ -5.94E+ 2.41E-(-5.00E- -8.49E- -1.16E- -5.48E-
Acronyms Indicator GWP-total GWP-total GWP-total GWP-Luluc AP ODP EP- freshwater EP-marine EP-marine EP-marine EP-marine	Unit Unit kg CO2 eq kg CO2	AP = Acidifical marine end co 9.83E+00 9.75E+00 6.63E-02 1.28E-06 2.69E-02 9.27E-04 6.39E-03 6.19E-02	A4 1.18E-01 1.18E-01 1.18E-01 4.64E-05 4.57E-05 2.68E-04 7.49E-06 1.39E-04 1.52E-03	Accumulated E P-terrestrial = urces; ADP-for 5.73E-01 4.62E-01 1.10E-01 3.97E-04 4.40E-08 9.02E-04 2.98E-05 3.26E-04 2.20E-03	Exceedance; El Eutrophication sil = Ablottc di Results pe B1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	-freshwater - potential, Acc potential, Acc potential, Acc potential, Acc network potential, Acc potential, Acc	Eutrophicatio umulated Exc declared unit B3 0.00E+00 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 potential, fra eedance; POC potential; WDC B4 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	clion of nutrier P = Formation = Water (use 700-799 g/m) B5 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	B6 0.00E+00 0.00E+00	eshwater end oppospheric ozpopsheric a (appospheric a) (appospheric between a (appospheric ozpospheric ozpospheric between a) (appospheric between a)	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	EP-marine = I rrais&metals = d water cons C2 1.16E-01 1.16E-01 4.65E-05 4.57E-05 2.69E-08 4.72E-04 7.49E-06 1.42E-04 1.45E-03	Eutophication = Ablotic deple umption 9.52E-02 8.88E-02 6.30E-03 1.09E-04 4.49E-09 6.61E-04 4.53E-05 1.08E-04 1.13E-03	potential, fraction potential f C4 7.43E-01 7.43E-01 6.11E-05 6.31E-06 1.63E-09 1.72E-04 2.21E-06 8.58E-05 8.23E-04	ion or r o

* Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties of these results are high or as there is limited experience with the indicator.



Use of resources

					Results pe	r functional or	declared unit	t - yarn weight	400-499 g/m2	2 (End of Life	Recycling)					
Indicator	Unit	A1-A3	Α4	A5	B1	B2	В3	B4	В5	B6	В7	C1	C2	С3	C4	D
PERE	MJ, net CV	2.30E+01	2.48E-02	2.28E+00	0.00E+00	6.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-02	1.44E+01	5.40E-03	1.23E+01
PERM	MJ, net CV	3.62E+00	0.00E+00	-1.47E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ, net CV	2.66E+01	2.48E-02	8.05E-01	0.00E+00	6.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-02	1.44E+01	5.40E-03	1.23E+01
PENRE	MJ, net CV	1.19E+02	1.75E+00	3.78E+00	0.00E+00	3.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E+00	8.28E-01	1.39E-01	-8.18E+01
PENRM	MJ, net CV	3.47E+01	0.00E+00	1.04E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E+00
PENRT	MJ, net CV	1.54E+02	1.75E+00	4.82E+00	0.00E+00	3.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E+00	8.28E-01	1.39E-01	-7.66E+01
SM	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ, net CV	7.11E-25	0.00E+00	2.13E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-6.69E-25
NRSF	MJ, net CV	8.38E-24	0.00E+00	2.51E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-7.88E-24
FW	m3	3.24E-02	6.65E-05	1.20E-03	0.00E+00	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	6.23E-04	1.05E-03	8.27E-02
	DEDE - U	- 6						DM - Use stores			and he row motor	-I- DEDT - T				

PERE = Use of renew able primary energy excluding renewable primary energy resources used as raw materials. PERF = Use of non-Acronyms renewable primary energy excluding non-renewable primary energy resources used as raw materials. PENF = Total use of non-renewable primary energy resources used as raw materials. PENF = Total use of non-renewable primary energy resources used as raw materials. PENF = Total use of non-renewable primary energy resources used as raw materials. PENF = Total use of non-renewable primary energy resources used as raw materials. PENF = Use of nonsecondary materials. PENF = Use of non-renewable primary energy resources used as raw materials. PENF = Use of nonrenewable primary energy encluding non-renewable primary energy resources used as raw materials. PENF = Use of nonsecondary materials. PENF = Use of non-renewable primary energy resources used as raw materials. PENF = Use of nonsecondary materials. PENF = Use of non

					Results pe	r functional or	declared unit	t - yarn weight	500-599 g/m2	2 (End of Life	-> Recycling)					
Indicator	Unit	A1-A3	Α4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	С3	C4	D
PERE	MJ, net CV	2.66E+01	2.48E-02	2.38E+00	0.00E+00	6.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-02	1.44E+01	5.40E-03	1.50E+01
PERM	MJ, net CV	3.61E+00	0.00E+00	-1.47E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ, net CV	3.02E+01	2.48E-02	9.12E-01	0.00E+00	6.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-02	1.44E+01	5.40E-03	1.50E+01
PENRE	MJ, net CV	1.35E+02	1.75E+00	4.24E+00	0.00E+00	3.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E+00	8.28E-01	1.39E-01	-9.36E+01
PENRM	MJ, net CV	3.47E+01	0.00E+00	1.04E+00	0.00E+00	0.00E+00	0.00E+00	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+01
PENRT	MJ, net CV	1.69E+02	1.75E+00	5.28E+00	0.00E+00	3.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E+00	8.28E-01	1.39E-01	-8.33E+01
SM	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ, net CV	8.52E-25	0.00E+00	2.56E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-8.03E-25
NRSF	MJ, net CV	1.00E-23	0.00E+00	3.01E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-9.46E-24
FW	m3	3.39E-02	6.65E-05	1.25E-03	0.00E+00	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	6.23E-04	1.05E-03	1.01E-01
Acronyms					energy resource	s used as raw ma	terials; PENRM =	Use of non-renet	able primary ene	ergy resources us		als; PENRT = Tota	al use of non-ren		esources; PENRE ergy re-sources;	

	Results per functional or declared unit - yarn weight 600-699 g/m2 (End of Life -> Recycling)															
Indicator	Unit	A1-A3	Α4	Α5	B1	B2	B3	B4	B5	B6	B7	C1	C2	С3	C4	D
PERE	MJ, net CV	3.02E+01	2.48E-02	2.49E+00	0.00E+00	6.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-02	1.44E+01	5.40E-03	1.77E+01
PERM	MJ, net CV	3.61E+00	0.00E+00	-1.47E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ, net CV	3.38E+01	2.48E-02	1.02E+00	0.00E+00	6.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-02	1.44E+01	5.40E-03	1.77E+01
PENRE	MJ, net CV	1.50E+02	1.75E+00	4.71E+00	0.00E+00	3.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E+00	8.28E-01	1.39E-01	-1.05E+02
PENRM	MJ, net CV	3.46E+01	0.00E+00	1.04E+00	0.00E+00	0.00E+00	0.00E+00	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+01
PENRT	MJ, net CV	1.85E+02	1.75E+00	5.75E+00	0.00E+00	3.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E+00	8.28E-01	1.39E-01	-9.01E+01
SM	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ, net CV	9.93E-25	0.00E+00	2.98E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-9.37E-25
NRSF	MJ, net CV	1.17E-23	0.00E+00	3.51E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.10E-23
FW	m3	3.54E-02	6.65E-05	1.31E-03	0.00E+00	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	6.23E-04	1.05E-03	1.19E-01
	PERE = Use	of renew able pri	marv energy excl	uding renew able	primary energy re	sources used as	rav materials: PB	RM = Use of rene	wable primary en	erav resources u	sed as raw materi	als: PERT = Total	use of renewable	e primary energy r	esources: PENRE	= Use of non-

PERE > Use of rener able primary energy encluding rener able primary energy resources. PENPE > Use of non-vable primary energy resources used as raw materials; PENP = Total use of rener able primary energy resources. PENPE > Use of non-Acronyms rener able primary energy encluding non-rener able primary energy resources used as raw materials; PENP = Total use of non-rener able primary energy resources. PENPE > Use of nonenergy able primary energy encluding non-renervable primary energy resources used as raw materials; PENPT = Total use of non-renervable primary energy resources. PENPE > Use of nonsecondary index; PENPE > Use of non-renervable primary energy resources. PENPE > Use of non-renervable primary energy resources. PENPE > Use of nonsecondary index; PENPE > Use of non-renervable primary energy resources. PENPE > Use of non-renervable primary energy resources. PENPE > Use of nonsecondary index; PENPE > Use of non-renervable primary energy resources. PENPE > Use of non-renervable primary energy resources. PENPE > Use of nonsecondary materials; PENPE > Use of non-renervable primary energy resources. PENPE > Use of non-renervable primary energy resources. PENPE > Use of nonsecondary materials; PENPE > Use of non-renervable primary energy resources. PENPE > Use of non-renervable primary energy resources. PENPE > Use of nonsecondary materials; PENPE > Use of non-renervable primary energy resources. PENPE > Use of non-renervable primary energy resources. PENPE > Use of nonsecondary materials; PENPE > Use of non-renervable primary energy resources. PENPE > Use of nonsecondary materials; PENP

					Results pe	r functional or	declared unit	t - yarn weight	700-799 g/m2	2 (End of Life	-> Recycling)					
Indicator	Unit	A1-A3	Α4	А5	B1	B2	B3	B4	B5	B6	В7	C1	C2	С3	C4	D
PERE	MJ, net CV	3.37E+01	2.48E-02	2.60E+00	0.00E+00	6.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-02	1.44E+01	5.40E-03	2.04E+01
PERM	MJ, net CV	3.60E+00	0.00E+00	-1.47E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ, net CV	3.73E+01	2.48E-02	1.13E+00	0.00E+00	6.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-02	1.44E+01	5.40E-03	2.04E+01
PENRE	MJ, net CV	1.66E+02	1.75E+00	5.17E+00	0.00E+00	3.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E+00	8.28E-01	1.39E-01	-1.17E+02
PENRM	MJ, net CV	3.45E+01	0.00E+00	1.04E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E+01
PENRT	MJ, net CV	2.00E+02	1.75E+00	6.21E+00	0.00E+00	3.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E+00	8.28E-01	1.39E-01	-9.68E+01
SM	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ, net CV	1.13E-24	0.00E+00	3.40E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.07E-24
NRSF	MJ, net CV	1.34E-23	0.00E+00	4.01E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E-23
FW	m3	3.69E-02	6.65E-05	1.36E-03	0.00E+00	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	6.23E-04	1.05E-03	1.37E-01
Acronyms					energy resource	s used as raw ma	terials; PENRM =	Use of non-rene	able primary ene	ngy resources us		als; PENRT = Tota	al use of non-ren	e primary energy r ev able primary er		



Waste production and output flows

					Results pe	r functional or	r declared unit	t - yarn weight	t 400-499 g/m	2 (End of Life	-> Recycling)					
Indicator	Unit	A1-A3	Α4	A5	B1	B2	B3	B4	B5	B6	В7	C1	C2	С3	C4	D
Hazardous waste disposed	kg	5.23E-01	1.27E-03	1.94E-02	0.00E+00	3.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	1.47E-02	1.77E-02	-3.67E-01
Non- hazardous waste disposed	kg	1.17E+00	1.01E-01	1.73E-01	0.00E+00	5.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-01	2.16E-01	7.23E-03	-4.96E-01
Radioactive waste disposed	kg	7.69E-04	1.19E-05	2.42E-05	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	2.25E-06	3.15E-07	-5.49E-04
Components for re-use	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Material for recycling	kg	2.06E-01	0.00E+00	1.06E-01	0.00E+00	2.77E+00	6.61E-01	8.97E-01								
Materials for energy recovery	kg	8.20E-02	0.00E+00	1.15E-01	0.00E+00	3.12E-01	0.00E+00									
Exported energy, electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E+00
Exported energy, thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-01
					Results pe	r functional of	r declared unit	t - yarn weight	t 500-599 g/m	2 (End of Life	Recycling)					
Indicator	Unit	A1-A3	Α4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	С3	C4	D
Hazardous waste disposed	kg	5.22E-01	1.27E-03	1.96E-02	0.00E+00	3.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	1.47E-02	1.77E-02	-3.66E-01
Non- hazardous waste disposed	kg	1.18E+00	1.01E-01	1.73E-01	0.00E+00	5.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-01	2.16E-01	7.23E-03	-4.18E-01
Radioactive waste disposed	kg	9.00E-04	1.19E-05	2.82E-05	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	2.25E-06	3.15E-07	-6.47E-04
Components for re-use	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Material for	kg	2.16E-01	0.00E+00	1.06E-01	0.00E+00	2.87E+00	6.61E-01	9.31E-01								
recycling	ng															
energy	kg	8.19E-02	0.00E+00	1.18E-01	0.00E+00	3.12E-01	0.00E+00									
Materials for			0.00E+00 0.00E+00	1.18E-01 0.00E+00	0.00E+00 0.00E+00	3.12E-01 0.00E+00	0.00E+00 3.34E+00									



					Results pe	r functional o	r declared uni	t - yarn weigh	t 600-699 g/m	2 (End of Life	-> Recycling)					
Indicator	Unit	A1-A3	Α4	A5	B1	B2	B3	B4	В5	B6	B7	C1	C2	СЗ	C4	D
Hazardous waste disposed	kg	5.22E-01	1.27E-03	1.97E-02	0.00E+00	3.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	1.47E-02	1.77E-02	-3.66E-01
Non- hazardous waste disposed	kg	1.19E+00	1.01E-01	1.74E-01	0.00E+00	5.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-01	2.16E-01	7.23E-03	-3.41E-01
Radioactive waste disposed	kg	1.03E-03	1.19E-05	3.21E-05	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	2.25E-06	3.15E-07	-7.46E-04
Components for re-use	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Material for recycling	kg	2.26E-01	0.00E+00	1.07E-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	2.97E+00	6.61E-01	9.66E-01
Materials for energy recovery	kg	8.18E-02	0.00E+00	1.21E-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	3.12E-01	0.00E+00
Exported energy, electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E+00
Exported energy, thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-01
					Results pe	r functional o	declared uni	t - yarn weight	t 700-799 g/m	2 (End of Life	-> Recycling)					
Indicator	Unit	A1-A3	Α4	A5	Results pe B1	r functional of B2	declared uni	t - yarn weight B4	t 700-799 g/m) B5	2 (End of Life B6	-> Recycling) B7	C1	C2	C3	C4	D
Indicator Hazardous waste disposed	Unit kg	A1-A3 5.21E-01	A4 1.27E-03	A5 1.99E-02								C1 0.00E+00	C2 1.27E-03	C3 1.47E-02	C4 1.77E-02	D -3.65E-01
Hazardous waste disposed Non- hazardous waste					B1	B2	B3	B4	В5	B6	87					
Hazardous waste disposed Non- hazardous	kg	5.21E-01	1.27E-03	1.99E-02	B1 0.00E+00	B2 3.85E-03	B3 0.00E+00	B4 0.00E+00	B5 0.00E+00	B6 0.00E+00	B7 0.00E+00	0.00E+00	1.27E-03	1.47E-02	1.77E-02	-3.65E-01
Hazardous waste disposed Non- hazardous waste disposed Radioactive waste	kg kg	5.21E-01 1.20E+00	1.27E-03 1.01E-01	1.99E-02 1.74E-01	B1 0.00E+00 0.00E+00	B2 3.85E-03 5.01E-02	B3 0.00E+00 0.00E+00	B4 0.00E+00 0.00E+00	B5 0.00E+00 0.00E+00	B6 0.00E+00 0.00E+00	B7 0.00E+00 0.00E+00	0.00E+00 0.00E+00	1.27E-03 1.01E-01	1.47E-02 2.16E-01	1.77E-02 7.23E-03	-3.65E-01 -2.64E-01
Hazardous waste disposed Non- hazardous waste disposed Radioactive waste disposed Components	kg kg	5.21E-01 1.20E+00 1.16E-03	1.27E-03 1.01E-01 1.19E-05	1.99E-02 1.74E-01 3.60E-05	B1 0.00E+00 0.00E+00 0.00E+00	B2 3.85E-03 5.01E-02 2.72E-05	B3 0.00E+00 0.00E+00 0.00E+00	B4 0.00E+00 0.00E+00 0.00E+00	B5 0.00E+00 0.00E+00 0.00E+00	B6 0.00E+00 0.00E+00 0.00E+00	B7 0.00E+00 0.00E+00 0.00E+00	0.00E+00 0.00E+00 0.00E+00	1.27E-03 1.01E-01 1.19E-05	1.47E-02 2.16E-01 2.25E-06	1.77E-02 7.23E-03 3.15E-07	-3.65E-01 -2.64E-01 -8.45E-04
Hazardous waste disposed Non- hazardous waste disposed Radioactive waste disposed Components for re-use Material for recycling	kg kg kg	5.21E-01 1.20E+00 1.16E-03 0.00E+00	1.27E-03 1.01E-01 1.19E-05 0.00E+00	1.99E-02 1.74E-01 3.60E-05 0.00E+00	B1 0.00E+00 0.00E+00 0.00E+00 0.00E+00	B2 3.85E-03 5.01E-02 2.72E-05 0.00E+00	B3 0.00E+00 0.00E+00 0.00E+00 0.00E+00	B4 0.00E+00 0.00E+00 0.00E+00 0.00E+00	B5 0.00E+00 0.00E+00 0.00E+00 0.00E+00	B6 0.00E+00 0.00E+00 0.00E+00 0.00E+00	B7 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00	1.27E-03 1.01E-01 1.19E-05 0.00E+00	1.47E-02 2.16E-01 2.25E-06 0.00E+00	1.77E-02 7.23E-03 3.15E-07 0.00E+00	-3.65E-01 -2.64E-01 -8.45E-04 0.00E+00
Hazardous waste disposed Non- hazardous waste disposed Radioactive waste disposed Components for re-use Material for recycling Materials for energy	kg kg kg kg	5.21E-01 1.20E+00 1.16E-03 0.00E+00 2.36E-01	1.27E-03 1.01E-01 1.19E-05 0.00E+00 0.00E+00	1.99E-02 1.74E-01 3.60E-05 0.00E+00 1.07E-01	B1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	B2 3.85E-03 5.01E-02 2.72E-05 0.00E+00 0.00E+00	B3 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	B4 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	B5 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	B6 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	B7 0.00E+00 0.00E+00 0.00E+00 0.00E+00	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	1.27E-03 1.01E-01 1.19E-05 0.00E+00 0.00E+00	1.47E-02 2.16E-01 2.25E-06 0.00E+00 3.07E+00	1.77E-02 7.23E-03 3.15E-07 0.00E+00 6.61E-01	-3.65E-01 -2.64E-01 -8.45E-04 0.00E+00 1.00E+00

Information on biogenic carbon content

Results per functional or declared unit												
BIOGENIC CARBON CONTENT	11		QUANTITY									
BIOGENIC CARBON CONTENT	Unit	400-499	500-599	600-699	700-799							
Biogenic carbon content in product	kg C	4.69E-03	5.36E-03	6.03E-03	6.70E-03							
Biogenic carbon content in packaging	kg C	1.09E-03										

Note: 1 kg biogenic carbon is equivalent to 44/12 kg CO₂.

References

General Programme Instructions of the International EPD[®] System. Version 3.01. PCR 2019:14. Version 1.11 c-PCR-004 Resilient, textile and laminate floor coverings (EN 16810).

