Environmental **Product** Declaration



ARTIFICIAL TURF PRODUCTS from **FIELDTURF TARKETT**



Programme: Programme operator: EPD registration number: Publication date: Valid until:

The International EPD® System. www.environdec.com **EPD** International AB S-P-04740 2021-10-28 2026-10-28

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 Sub-PCR-F 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: M. 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 programmes 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> FieldTurf Tarkett <u>Contact:</u> Vincent MONTI. <u>vincent.monti@tarkett.com</u>. Tarkett La Défense. 1 Terrasse Bellini 92400 Paris

Description of the organisation:

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. colors 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 therefore the products throughout their use stage. disposal and recycling. The commitment to the environment is also proven by the accession to the Circular Economy 100 program. where Tarkett group. with a network of companies. is working to develop a circular economy model based on the reuse of materials and preservation of natural resources. 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 9001. WCM manufacturing site. <u>Name and location of production site(s):</u> Auchel. France

Product information

<u>Product name:</u> FieldTurf Core. FieldTurf Quattro. FieldTurf Classic HD. FieldTurf XM7. FieldTurf Vertex Core. FieldTurf Vertex Quattro. FieldTurf RGF XM7. FieldTurf Tennis Ace. FieldTurf Optimal XT. FieldTurf Poliflex Pro. FieldTurf Poliflex . FieldTurf Ultracurl XL. FieldTurf Ultra 360. FieldTurf Vertex 360. PureField Ultra. Hockey Gold Elite. Hockey Gold Pro. Tennis Elite / Padel Pro.

<u>Product identification:</u> Artificial Turf floor covering (sports performance according to EN 15330-1 10/2013. Surfaces for sports areas - Synthetic turf and needle-punched surfaces primarily designed for outdoor use - Part 1: Specification for synthetic turf surfaces for football. hockey. rugby union training. tennis and multi-sports use)

<u>Product description:</u> Artificial turf products are surfaces made from low density polyethlylene yarn which is tufted into a primary backing and then coated. Artificial turf is highly durable and used for sports surfaces in order to increase the frequency of use and to play sports in all seasons. UN CPC code: APE/NAF - 2223Z

LCA information

<u>Functional unit / declared unit:</u> 1m² of floor covering with a reference service life (RSL) of 8 years subject to reasonable frequency of use and adequate maintenance according to the maintenance instructions for application as sports surface and sports performance according to EN 15330-1 (10/2013). <u>Time representativeness:</u> 2021

<u>Database(s) and LCA software used:</u> Ecoinvent3.6. Simapro 9.1 Description of system boundaries: Cradle to gate (A1- A3)





System diagram:







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

	Proo sta	duct ige	Co pro	nstruct cess st	ion age			Us	se sta	ge			Er	id 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	В3	B4	B5	B6	B7	C1	C2	C3	C4	D
Modules declared	х	х	х														
Modules declared Geography	х	Х	Х		Europ	pean te	chnolog	gy and	proces	s cover	age						European
Modules declared Geography Specific data used	Х -	X 100%	X 100%	-	Europ -	pean te	chnolog -	gy and	proces: -	s cover	age -						European -
Modules declared Geography Specific data used Variation – products	X - -6% to with p	X 100% 6% for pi rimary ba 305g	X 100% roducts acking	-	Europ - -	pean te	chnolog - -	gy and - -	proces: - -	s cover - -	age - -	-	-	-	-	-	European - -
Modules declared Geography Specific data used Variation – products Variation – products	X -6% to with p -8% to with p	X 100% 6% for pi rimary ba 305g 8% for pi rimary ba 240g	X 100% roducts acking roducts acking	-	Europ - -	pean te	chnolog - -	gy and - -	process - -	s cover	age - -	-	-	-	-	-	European - - -





Content information

According to PCR 2019:14 v1.11. several similar products can be included in the same EPD if "differences between the mandatory impact indicators lower than $\pm 10\%$ (concerning A1-A3) could be presented using the impacts of a representative product". The next table presents how products are grouped :

Products Range	Products	Fibre Weight	Mass	Primary Backing
	Turf with 795g/m² to 946g/m² of yarn.	802 909 925	2.019E+00	
FieldTurf XM7	Turf with 948g/m² to 1095g/m² of yarn	948 966 1020 1070	2.164E+00	
FieldTurf QUATTRO FieldTurf CORE FieldTurf VERTEX CORE	Turf with 1100g/m² to 1215g/m² of yarn	1115 1140 1164 1165 1166 1195	2.331E+00	
FieldTurf VERTEX QUATTRO FieldTurf VERTEX 360 FieldTurf RGF XM7	Turf with 1216g/m² to 1310g/m² of yarn	1216 1231 1235 1266 1292 1295	2.429E+00	
FieldTurf CLASSIC HD	Turf with 1315g/m² to 1411g/m² of yarn	1 335 1 338 1 371 1 411	2.559E+00	
FieldTurf ULTRA 360 FieldTurf ULTRACURL XL FieldTurf TENNIS ACE	Turf with 1415g/m² to 1512g/m² of yarn	1 420 1 452 1 457 1 461 1 472 1 477 1 500	2.703E+00	
FieldTurf POLIFLEX Pro	Turf with 1517g/m² to 1620g/m² of yarn	1 522 1 569 1 571 1 603 1 610	2.794E+00	040
	Turf with 1625g/m² to 1810g/m² of yarn	1628 1642 1676 1691 1716 1727 1798 1800	2.937E+00	240g
	Turf with 1840g/m² to 2035g/m² of yarn	1851 1907 1920 1948 1964 1984 2005	3.223E+00	
	Turf with 2150g/m² to 2340g/m² of yarn	2127 2268 2277 2344	3.519E+00	
PUREFIELD ULTRA	Turf with 1317g/m² to 1425g/m² of yarn	1317 1417	2.67E+00	
HOCKEY GOLD ELITE	Turf with 1616g/m² to 1782g/m² of yarn	1631	2.94E+00	
HOCKEY GOLD PRO TENNIS ELITE / PADEL PRO	Turf with 2510g/m ² to 2695g/m ² of yarn	2526 2690	4.13E+00	305g





Backing 0.24kg products				
Product components	Weight. kg/m ²	Post-consumer material. weight-%	Renewable material. weight-%	
Yarn or Fibre	1.45E+00	0%	0%	
Primary Backing	2.40E-01	0%	0%	
Latex Coating	3.96E-01	0%	83%	
Limestone	1.19E+00	0%	0%	
TOTAL	3.28E+00	0%	0%	
Packaging materials	Weight. kg/m ²	Weight-% (versus the proc	duct)	
Product Packaging Cardboard	7.40E-02	1.9	%	
Product Packaging PEHD	3.60E-04	0.01	%	
Product Packaging PELD	1.80E-02	0.45	5%	
TOTAL	9.24E-02	2.3	%	

The components for products with primary backing 0.24kg are detailed here:

The components for products with primary backing 0.305kg are detailed here:

Backing 0.305kg products					
Product components	Weight. kg/m²	Post-consumer material. weight-%	Renewable material. weight-%		
Yarn or Fibre	1.92E+00	0%	0%		
Primary Backing	3.05E-01	0%	0%		
Latex Coating	4.38E-01	0%	83%		
Limestone	1.31E+00	0%	0%		
TOTAL	3.98E+00	0%	0%		
Packaging materials	Weight. kg/m²	Weight-% (versus the proc	duct)		
Cardboard	7.4E-02	1.99	%		
Plastic stripes (HDPE)	3.6E-04	0.009%			
Foil (LDPE)	1.8E-02	0.45%			
TOTAL	9.24E-02	2.3	%		

Product manufacturing

Production process

The production of the Artificial turf surface is divided into the following stages:





- **Tufting**: Yarn is pulled from the creel. through tubes and fed into needles. The needles punch the yarn through the backing cloth that is slowly pulled through the tufting area thereby creating loops.
- **Coating and Oven**: The fibers and the backing are then coated with latex to ensure that the yarn stays in the backing then heated in an oven to dry the latex coating.
- **Packaging:** The final product is supplied in rolls. The product is rolled on a cardboard tube and wrapped with polyethyene film. The film is attached to the roll with plastic tube inserts.

Production waste

Waste type	Amount	Unit
Non-hazardous waste to incineration	1.96E-01	kg/m²
Non-hazardous waste to external recycling	9.40E-02	kg/m²
Hazardous waste to incineration	3.00E-03	kg/m²
Non-hazardous waste-water to external treatment	1.18E-01	L/m²
Hazardous waste-water to external treatment	1.90E-03	L/m²

Electricity mix

The electricity mix purchased at the manufacturing facility has the following carbon footprint:

Indicator	Amount	Unit
GWP-GHG	3.04E-02	kgCO2eq/Kwh

Health. safety and environmental aspects during production

Artificial Turf production site complies with-the ISO 9001 Quality Management System





RESULTS OF THE ANALYSIS.



EPD[®]

Environmental Information

Potential Environment Impact.

• Products with primary backing 240g

Results for products with 795g/m ² to 946g/m ² of yarn.					
Indicator	Unit	A1-A3	A1	A2	A3
GWP-total	kg CO ₂ eq.	5.43E+00	3.81E+00	3.41E-01	1.27E+00
GWP-fossil	kg CO ₂ eq.	5.41E+00	3.80E+00	3.41E-01	1.27E+00
GWP- biogenic	kg CO ₂ eq.	1.29E-02	9.23E-03	1.39E-04	3.49E-03
GWP- Luluc	kg CO ₂ eq.	2.23E-03	1.50E-03	1.19E-04	6.17E-04
AP	kg CFC 11 eq.	1.71E-06	1.46E-06	7.75E-08	1.68E-07
ODP	mol H⁺ eq.	2.02E-02	1.66E-02	1.39E-03	2.11E-03
EP-freshwater	kg P eq	1.13E-03	9.62E-04	2.50E-05	1.46E-04
EP-freshwater	kg PO ₄ ³⁻ eq	3.48E-03	2.95E-03	7.67E-05	4.49E-04
EP-marine	kg N eq.	4.32E-03	3.36E-03	4.18E-04	5.40E-04
EP-terrestrial	mol N eq.	4.47E-02	3.49E-02	4.57E-03	5.25E-03
POCP	kg NMVOC eq.	1.67E-02	1.36E-02	1.40E-03	1.75E-03
ADP-minerals&metals*	kg Sb eq.	4.21E-05	2.87E-05	9.23E-06	4.13E-06
ADP-fossil*	MJ	1.33E+02	1.11E+02	5.15E+00	1.67E+01
WDP	m ³	5.45E+00	4.98E+00	1.43E-02	4.52E-01
	GWP-fossil = Global Warming Warming Potential land	ng Potential fossil fuels; GV	VP-biogenic = Global Wa	arming Potential biogenic tial of the stratospheric of	c; GWP-luluc = Global

Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential. Accumulated Exceedance; EP-freshwater = Eutrophication potential. fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential. fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential. Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADPminerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential. deprivation-weighted water consumption

	potential; wi	op = water (user) deprivati	on potential. deprivation	n-weighted water consul	mption
	Results for products with 948g/m ² to 1095g/m ² of yarn				
Indicator	Unit	A1-A3	A1	A2	A3
GWP-total	kg CO ₂ eq.	5.91E+00	4.26E+00	3.83E-01	1.27E+00
GWP-fossil	kg CO ₂ eq.	5.90E+00	4.25E+00	3.83E-01	1.27E+00
GWP- biogenic	kg CO ₂ eq.	1.39E-02	1.03E-02	1.56E-04	3.49E-03
GWP- Luluc	kg CO ₂ eq.	2.45E-03	1.70E-03	1.34E-04	6.17E-04
AP	kg CFC 11 eq.	1.97E-06	1.72E-06	8.70E-08	1.68E-07
ODP	mol H⁺ eq.	2.21E-02	1.84E-02	1.57E-03	2.11E-03
EP-freshwater	kg P eq	1.28E-03	1.10E-03	2.80E-05	1.46E-04
EP-freshwater	kg PO₄³- eq	3.92E-03	3.39E-03	8.61E-05	4.49E-04
EP-marine	kg N eq.	4.71E-03	3.70E-03	4.69E-04	5.40E-04
EP-terrestrial	mol N eq.	4.88E-02	3.84E-02	5.13E-03	5.25E-03
POCP	kg NMVOC eq.	1.84E-02	1.51E-02	1.57E-03	1.75E-03
ADP-minerals&metals*	kg Sb eq.	4.72E-05	3.27E-05	1.04E-05	4.13E-06



ADP-fossil*	MJ	1.46E+02	1.24E+02	5.78E+00	1.67E+01		
WDP	m ³	6.11E+00	5.64E+00	1.61E-02	4.52E-01		
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential. Accumulated Exceedance; EP-freshwater = Eutrophication potential. fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential. fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential. Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP- minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential. deprivation-weighted water consumption						
	Results for prod	lucts with 1100g/	/m² to 1215g/m²	of yarn			
Indicator	Unit	A1-A3	A1	A2	A3		
GWP-total	kg CO ₂ eq.	6.35E+00	4.65E+00	4.21E-01	1.27E+00		
GWP-fossil	kg CO ₂ eq.	6.33E+00	4.64E+00	4.20E-01	1.27E+00		
GWP- biogenic	kg CO ₂ eq.	1.49E-02	1.12E-02	1.71E-04	3.49E-03		
GWP- Luluc	kg CO ₂ eq.	2.65E-03	1.88E-03	1.47E-04	6.17E-04		
AP	kg CFC 11 eq.	2.21E-06	1.94E-06	9.55E-08	1.68E-07		
ODP	mol H⁺ eq.	2.38E-02	1.99E-02	1.72E-03	2.11E-03		
EP-freshwater	kg P eq	1.41E-03	1.23E-03	3.08E-05	1.46E-04		
EP-freshwater	kg PO₄ ³⁻ eq	4.32E-03	3.78E-03	9.45E-05	4.49E-04		
EP-marine	kg N eq.	5.06E-03	4.00E-03	5.15E-04	5.40E-04		
EP-terrestrial	mol N eq.	5.24E-02	4.15E-02	5.64E-03	5.25E-03		
POCP	kg NMVOC eq.	1.98E-02	1.64E-02	1.73E-03	1.75E-03		
ADP-minerals&metals*	kg Sb eq.	5.18E-05	3.63E-05	1.14E-05	4.13E-06		
ADP-fossil*	MJ	1.58E+02	1.35E+02	6.34E+00	1.67E+01		
WDP	m ³	6.70E+00	6.23E+00	1.76E-02	4.52E-01		

FieldTurf

Acronyms

GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential. Accumulated Exceedance; EP-freshwater = Eutrophication potential. fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential. fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential. Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADPminerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential. deprivation-weighted water consumption

Results for products with 1216g/m ² to 1310g/m ² of yarn					
Indicator	Unit	A1-A3	A1	A2	A3
GWP-total	kg CO ₂ eq.	6.67E+00	4.95E+00	4.49E-01	1.27E+00
GWP-fossil	kg CO ₂ eq.	6.66E+00	4.94E+00	4.49E-01	1.27E+00
GWP- biogenic	kg CO ₂ eq.	1.56E-02	1.19E-02	1.83E-04	3.49E-03
GWP- Luluc	kg CO ₂ eq.	2.80E-03	2.02E-03	1.57E-04	6.17E-04
AP	kg CFC 11 eq.	2.39E-06	2.12E-06	1.02E-07	1.68E-07
ODP	mol H⁺ eq.	2.50E-02	2.11E-02	1.83E-03	2.11E-03
EP-freshwater	kg P eq	1.51E-03	1.33E-03	3.29E-05	1.46E-04
EP-freshwater	kg PO4 ³⁻ eq	4.63E-03	4.08E-03	1.01E-04	4.49E-04
EP-marine	kg N eq.	5.31E-03	4.22E-03	5.50E-04	5.40E-04
EP-terrestrial	mol N eq.	5.51E-02	4.38E-02	6.02E-03	5.25E-03
POCP	kg NMVOC eq.	2.09E-02	1.73E-02	1.84E-03	1.75E-03



7	FieldTurf [®]
	A Tarkett Sports Company

ADP-minerals&metals*	kg Sb eq.	5.54E-05	3.91E-05	1.21E-05	4.13E-06		
ADP-fossil*	MJ	1.67E+02	1.44E+02	6.77E+00	1.67E+01		
WDP	m ³	7.14E+00	6.67E+00	1.88E-02	4.52E-01		
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential. Accumulated Exceedance; EP-freshwater = Eutrophication potential. fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential. fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential. Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP- minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential. deprivation-weighted water consumption						
	Results for proc	ducts with 1315g	/m² to 1411g/m	² of yarn.			
Indicator	Unit	A1-A3	A1	A2	A3		
GWP-total	kg CO ₂ eq.	7.01E+00	5.26E+00	4.78E-01	1.27E+00		
GWP-fossil	kg CO ₂ eq.	6.99E+00	5.24E+00	4.77E-01	1.27E+00		
GWP- biogenic	kg CO ₂ eq.	1.63E-02	1.27E-02	1.95E-04	3.49E-03		
GWP- Luluc	kg CO ₂ eq.	2.94E-03	2.16E-03	1.67E-04	6.17E-04		
AP	kg CFC 11 eq.	2.56E-06	2.28E-06	1.08E-07	1.68E-07		
ODP	mol H⁺ eq.	2.63E-02	2.23E-02	1.95E-03	2.11E-03		
EP-freshwater	kg P eq	1.61E-03	1.42E-03	3.50E-05	1.46E-04		
EP-freshwater	kg PO ₄ ³⁻ eq	4.93E-03	4.37E-03	1.07E-04	4.49E-04		
EP-marine	kg N eq.	5.59E-03	4.46E-03	5.85E-04	5.40E-04		
EP-terrestrial	mol N eq.	5.80E-02	4.63E-02	6.40E-03	5.25E-03		
POCP	kg NMVOC eq.	2.21E-02	1.84E-02	1.96E-03	1.75E-03		
ADP-minerals&metals*	kg Sb eq.	5.88E-05	4.18E-05	1.29E-05	4.13E-06		
ADP-fossil*	MJ	1.76E+02	1.52E+02	7.20E+00	1.67E+01		
WDP	m ³	7.59E+00	7.12E+00	2.00E-02	4.52E-01		
	GWP fossil - Global Warmin	a Potential fossil fuels: GV	P biogonic - Global Wa	rming Potential biogoni	CMP Julue - Global		

GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential. Accumulated Exceedance; EP-freshwater = Eutrophication potential. fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential. fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential. Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADPminerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential. deprivation-weighted water consumption

Results for products with 1415g/m ² to 1512g/m ² of yarn							
Indicator	Unit	A1-A3	A1	A2	A3		
GWP-total	kg CO ₂ eq.	7.37E+00	5.59E+00	5.08E-01	1.27E+00		
GWP-fossil	kg CO ₂ eq.	7.35E+00	5.57E+00	5.08E-01	1.27E+00		
GWP- biogenic	kg CO ₂ eq.	1.71E-02	1.34E-02	2.07E-04	3.49E-03		
GWP- Luluc	kg CO ₂ eq.	3.09E-03	2.29E-03	1.77E-04	6.17E-04		
AP	kg CFC 11 eq.	2.73E-06	2.45E-06	1.15E-07	1.68E-07		
ODP	mol H⁺ eq.	2.78E-02	2.37E-02	2.08E-03	2.11E-03		
EP-freshwater	kg P eq	1.70E-03	1.52E-03	3.72E-05	1.46E-04		
EP-freshwater	kg PO₄³- eq	5.23E-03	4.67E-03	1.14E-04	4.49E-04		
EP-marine	kg N eq.	5.91E-03	4.74E-03	6.22E-04	5.40E-04		
EP-terrestrial	mol N eq.	6.13E-02	4.92E-02	6.81E-03	5.25E-03		





Acronyms

POCP	kg NMVOC eq.	2.33E-02	1.95E-02	2.08E-03	1.75E-03
ADP-minerals&metals*	kg Sb eq.	6.23E-05	4.45E-05	1.37E-05	4.13E-06
ADP-fossil*	MJ	1.86E+02	1.62E+02	7.66E+00	1.67E+01
WDP	m ³	8.06E+00	7.59E+00	2.13E-02	4.52E-01

GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential. Accumulated Exceedance; EP-freshwater = Eutrophication potential. fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential. fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential. Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential. deprivation-weighted water consumption

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Results for products with 1517g/m ² to 1620g/m ² of yarn.								
Indicator	Unit	A1-A3	A1	A2	A3			
GWP-total	kg CO ₂ eq.	7.66E+00	5.85E+00	5.34E-01	1.27E+00			
GWP-fossil	kg CO ₂ eq.	7.64E+00	5.84E+00	5.33E-01	1.27E+00			
GWP- biogenic	kg CO ₂ eq.	1.78E-02	1.41E-02	2.17E-04	3.49E-03			
GWP- Luluc	kg CO ₂ eq.	3.24E-03	2.43E-03	1.86E-04	6.17E-04			
AP	kg CFC 11 eq.	2.91E-06	2.62E-06	1.21E-07	1.68E-07			
ODP	mol H⁺ eq.	2.89E-02	2.46E-02	2.18E-03	2.11E-03			
EP-freshwater	kg P eq	1.80E-03	1.61E-03	3.91E-05	1.46E-04			
EP-freshwater	kg PO ₄ ³⁻ eq	5.53E-03	4.96E-03	1.20E-04	4.49E-04			
EP-marine	kg N eq.	6.11E-03	4.92E-03	6.54E-04	5.40E-04			
EP-terrestrial	mol N eq.	6.34E-02	5.10E-02	7.15E-03	5.25E-03			
POCP	kg NMVOC eq.	2.42E-02	2.03E-02	2.19E-03	1.75E-03			
ADP-minerals&metals*	kg Sb eq.	6.57E-05	4.72E-05	1.44E-05	4.13E-06			
ADP-fossil*	MJ	1.94E+02	1.69E+02	8.05E+00	1.67E+01			
WDP	m ³	8.47F+00	8.00F+00	2.24E-02	4.52E-01			

GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential. Accumulated Exceedance; EP-freshwater = Eutrophication potential. fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential. fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential. Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADPminerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential. deprivation-weighted water consumption

Results for products with 1625g/m ² to 1810g/m ² of yarn.							
Indicator	Unit	A1-A3	A1	A2	A3		
GWP-total	kg CO ₂ eq.	8.14E+00	6.29E+00	5.76E-01	1.27E+00		
GWP-fossil	kg CO ₂ eq.	8.12E+00	6.28E+00	5.75E-01	1.27E+00		
GWP- biogenic	kg CO ₂ eq.	1.88E-02	1.51E-02	2.34E-04	3.49E-03		
GWP- Luluc	kg CO ₂ eq.	3.45E-03	2.63E-03	2.01E-04	6.17E-04		
AP	kg CFC 11 eq.	3.17E-06	2.87E-06	1.31E-07	1.68E-07		
ODP	mol H⁺ eq.	3.08E-02	2.63E-02	2.35E-03	2.11E-03		
EP-freshwater	kg P eq	1.95E-03	1.76E-03	4.21E-05	1.46E-04		
EP-freshwater	kg PO₄³- eq	5.97E-03	5.39E-03	1.29E-04	4.49E-04		
EP-marine	kg N eg.	6.50E-03	5.26E-03	7.05E-04	5.40E-04		



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Acronyms

EP-terrestrial	mol N eq.	6.74E-02	5.45E-02	7.71E-03	5.25E-03
POCP	kg NMVOC eq.	2.59E-02	2.18E-02	2.36E-03	1.75E-03
ADP-minerals&metals*	kg Sb eq.	7.09E-05	5.12E-05	1.56E-05	4.13E-06
ADP-fossil*	MJ	2.07E+02	1.81E+02	8.68E+00	1.67E+01
WDP	m ³	9.13E+00	8.65E+00	2.41E-02	4.52E-01

GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential. Accumulated Exceedance; EP-freshwater = Eutrophication potential. fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential. fraction of nutrients reaching marine end compartment;
 EP-terrestrial = Eutrophication potential. Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential. deprivation-weighted water consumption

Results for products with 1840g/m² to 2035g/m² of yarn.

Indicator	Unit	A1-A3	A1	A2	A3
GWP-total	kg CO ₂ eq.	8.86E+00	6.95E+00	6.37E-01	1.27E+00
GWP-fossil	kg CO ₂ eq.	8.84E+00	6.94E+00	6.37E-01	1.27E+00
GWP- biogenic	kg CO ₂ eq.	2.04E-02	1.67E-02	2.60E-04	3.49E-03
GWP- Luluc	kg CO ₂ eq.	3.77E-03	2.93E-03	2.23E-04	6.17E-04
AP	kg CFC 11 eq.	3.55E-06	3.24E-06	1.45E-07	1.68E-07
ODP	mol H⁺ eq.	3.36E-02	2.89E-02	2.60E-03	2.11E-03
EP-freshwater	kg P eq	2.16E-03	1.96E-03	4.66E-05	1.46E-04
EP-freshwater	kg PO₄ ³⁻ eq	6.62E-03	6.03E-03	1.43E-04	4.49E-04
EP-marine	kg N eq.	7.09E-03	5.77E-03	7.81E-04	5.40E-04
EP-terrestrial	mol N eq.	7.36E-02	5.98E-02	8.54E-03	5.25E-03
POCP	kg NMVOC eq.	2.83E-02	2.40E-02	2.61E-03	1.75E-03
ADP-minerals&metals*	kg Sb eq.	7.84E-05	5.70E-05	1.72E-05	4.13E-06
ADP-fossil*	MJ	2.26E+02	2.00E+02	9.61E+00	1.67E+01
WDP	m ³	1.01E+01	9.62E+00	2.67E-02	4.52E-01

GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential. Accumulated Exceedance; EP-freshwater = Eutrophication potential. fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential. fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential. Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADPminerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential. deprivation-weighted water consumption

Results for products with 2150g/m² to 2340g/m² of yarn.UnitA1-A3A1A2

Indicator	Unit	A1-A3	A1	A2	A3
GWP-total	kg CO ₂ eq.	9.82E+00	7.83E+00	7.21E-01	1.27E+00
GWP-fossil	kg CO ₂ eq.	9.80E+00	7.81E+00	7.20E-01	1.27E+00
GWP- biogenic	kg CO ₂ eq.	2.25E-02	1.88E-02	2.94E-04	3.49E-03
GWP- Luluc	kg CO ₂ eq.	4.21E-03	3.34E-03	2.52E-04	6.17E-04
AP	kg CFC 11 eq.	4.08E-06	3.75E-06	1.64E-07	1.68E-07
ODP	mol H⁺ eq.	3.73E-02	3.23E-02	2.95E-03	2.11E-03
EP-freshwater	kg P eq	2.45E-03	2.25E-03	5.28E-05	1.46E-04
EP-freshwater	ka PO₄³-ea	7 53E-03	6 91F-03	1 62F-04	4 49F-04



Acronyms



EP-marine	kg N eq.	7.84E-03	6.42E-03	8.83E-04	5.40E-04
EP-terrestrial	mol N eq.	8.14E-02	6.65E-02	9.66E-03	5.25E-03
POCP	kg NMVOC eq.	3.15E-02	2.68E-02	2.96E-03	1.75E-03
ADP-minerals&metals*	kg Sb eq.	8.88E-05	6.52E-05	1.95E-05	4.13E-06
ADP-fossil*	MJ	2.52E+02	2.25E+02	1.09E+01	1.67E+01
WDP	m³	1.14E+01	1.09E+01	3.02E-02	4.52E-01

GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential. Accumulated Exceedance; EP-freshwater = Eutrophication potential. fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential. fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential. Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADPminerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential. deprivation-weighted water consumption

Products with Primary backing 305g

Results for products with 1317g/m ² to 1425g/m ² of yarn						
Indicator	Unit	A1-A3	A1	A2	A3	
GWP-total	kg CO ₂ eq.	7.24E+00	5.47E+00	4.96E-01	1.27E+00	
GWP-fossil	kg CO ₂ eq.	7.22E+00	5.46E+00	4.96E-01	1.27E+00	
GWP- biogenic	kg CO ₂ eq.	1.69E-02	1.32E-02	2.02E-04	3.49E-03	
GWP- Luluc	kg CO ₂ eq.	3.05E-03	2.26E-03	1.73E-04	6.17E-04	
AP	kg CFC 11 eq.	2.58E-06	2.30E-06	1.13E-07	1.68E-07	
ODP	mol H⁺ eq.	2.73E-02	2.32E-02	2.03E-03	2.11E-03	
EP-freshwater	kg P eq	1.65E-03	1.47E-03	3.63E-05	1.46E-04	
EP-freshwater	kg PO₄ ³⁻ eq	5.07E-03	4.51E-03	1.11E-04	4.49E-04	
EP-marine	kg N eq.	5.78E-03	4.64E-03	6.07E-04	5.40E-04	
EP-terrestrial	mol N eq.	6.00E-02	4.81E-02	6.65E-03	5.25E-03	
POCP	kg NMVOC eq.	2.28E-02	1.91E-02	2.03E-03	1.75E-03	
ADP-minerals&metals*	kg Sb eq.	6.10E-05	4.35E-05	1.34E-05	4.13E-06	
ADP-fossil*	MJ	1.83E+02	1.59E+02	7.48E+00	1.67E+01	
WDP	m ³	7.80E+00	7.33E+00	2.08E-02	4.52E-01	

GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential. Accumulated Exceedance; EP-freshwater = Eutrophication potential. fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential. fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential. Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential. deprivation-weighted water consumption

Results for products with 1616g/m ² to 1782g/m ² of yarn							
Indicator	Unit	A1-A3	A1	A2	A3		
GWP-total	kg CO ₂ eq.	8.26E+00	6.40E+00	5.84E-01	1.27E+00		
GWP-fossil	kg CO ₂ eq.	8.23E+00	6.38E+00	5.84E-01	1.27E+00		
GWP- biogenic	kg CO ₂ eq.	1.91E-02	1.54E-02	2.38E-04	3.49E-03		
GWP- Luluc	kg CO ₂ eq.	3.52E-03	2.70E-03	2.04E-04	6.17E-04		





Acronyms

AP	kg CFC 11 eq.	3.15E-06	2.85E-06	1.33E-07	1.68E-07
ODP	mol H⁺ eq.	3.12E-02	2.67E-02	2.39E-03	2.11E-03
EP-freshwater	kg P eq	1.97E-03	1.78E-03	4.28E-05	1.46E-04
EP-freshwater	kg PO4 ³⁻ eq	6.03E-03	5.45E-03	1.31E-04	4.49E-04
EP-marine	kg N eq.	6.58E-03	5.32E-03	7.16E-04	5.40E-04
EP-terrestrial	mol N eq.	6.82E-02	5.51E-02	7.83E-03	5.25E-03
POCP	kg NMVOC eq.	2.62E-02	2.21E-02	2.40E-03	1.75E-03
ADP-minerals&metals*	kg Sb eq.	7.21E-05	5.22E-05	1.58E-05	4.13E-06
ADP-fossil*	MJ	2.11E+02	1.85E+02	8.81E+00	1.67E+01
WDP	m ³	9.20E+00	8.72E+00	2.45E-02	4.52E-01
	GWP-fossil - Global Warming P	otential fossil fuels: GWP-	niogenic - Global War	ming Potential hiogeni	ic: GWP-luluc - Global

GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential. Accumulated Exceedance; EP-freshwater = Eutrophication potential. fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential. fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential. Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential. deprivation-weighted water consumption

Results for products with 2510g/m ² to 2695g/m ² of yarn								
Indicator	Unit	A1-A3	A1	A2	A3			
GWP-total	kg CO ₂ eq.	1.11E+01	9.04E+00	8.34E-01	1.27E+00			
GWP-fossil	kg CO ₂ eq.	1.11E+01	9.02E+00	8.33E-01	1.27E+00			
GWP- biogenic	kg CO ₂ eq.	2.55E-02	2.17E-02	3.40E-04	3.49E-03			
GWP- Luluc	kg CO ₂ eq.	4.82E-03	3.91E-03	2.91E-04	6.17E-04			
AP	kg CFC 11 eq.	4.71E-06	4.35E-06	1.89E-07	1.68E-07			
ODP	mol H⁺ eq.	4.25E-02	3.70E-02	3.41E-03	2.11E-03			
EP-freshwater	kg P eq	2.83E-03	2.63E-03	6.10E-05	1.46E-04			
EP-freshwater	kg PO ₄ ³⁻ eq	8.70E-03	8.06E-03	1.87E-04	4.49E-04			
EP-marine	kg N eq.	8.90E-03	7.34E-03	1.02E-03	5.40E-04			
EP-terrestrial	mol N eq.	9.24E-02	7.59E-02	1.12E-02	5.25E-03			
POCP	kg NMVOC eq.	3.59E-02	3.08E-02	3.42E-03	1.75E-03			
ADP-minerals&metals*	kg Sb eq.	1.03E-04	7.61E-05	2.25E-05	4.13E-06			
ADP-fossil*	MJ	2.89E+02	2.60E+02	1.26E+01	1.67E+01			
WDP	m ³	1.31E+01	1.26E+01	3.50E-02	4.52E-01			

GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential. Accumulated Exceedance; EP-freshwater = Eutrophication potential. fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential. fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential. Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential. deprivation-weighted water consumption





Use of Resources.

Acronyms

Acronyms

• Products with primary backing 240g

Results for products with 795g/m ² to 946g/m ² of yarn.						
Indicator	Unit	A1-A3	A1	A2	A3	
PERE	MJ. net CV	1.95E+01	1.70E+01	7.26E-02	2.37E+00	
PERM	MJ. net CV	1.06E-01	9.80E-02	0.00E+00	7.91E-03	
PERT	MJ. net CV	1.96E+01	1.71E+01	7.26E-02	2.38E+00	
PENRE	MJ. net CV	1.33E+02	1.11E+02	5.14E+00	1.66E+01	
PENRM	MJ. net CV	2.68E-02	2.48E-02	0.00E+00	2.00E-03	
PENRT	MJ. net CV	1.33E+02	1.11E+02	5.14E+00	1.66E+01	
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
RSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
NRSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
FW	m ³	7.92E-02	6.98E-02	5.31E-04	8.95E-03	
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PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water

Results for products with 948g/m ² to 1095g/m ² of yarn.							
Indicator	Unit	A1-A3	A1	A2	A3		
PERE	MJ. net CV	2.23E+01	1.98E+01	8.15E-02	2.37E+00		
PERM	MJ. net CV	1.23E-01	1.15E-01	0.00E+00	7.91E-03		
PERT	MJ. net CV	2.24E+01	1.99E+01	8.15E-02	2.38E+00		
PENRE	MJ. net CV	1.46E+02	1.24E+02	5.77E+00	1.66E+01		
PENRM	MJ. net CV	3.11E-02	2.91E-02	0.00E+00	2.00E-03		
PENRT	MJ. net CV	1.46E+02	1.24E+02	5.77E+00	1.66E+01		
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
RSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
NRSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
FW	m ³	8.69E-02	7.74E-02	5.96E-04	8.95E-03		

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water

Results for products with 1100g/m ² to 1215g/m ² of yarn.								
Indicator	Unit	A1-A3	A1	A2	A3			
PERE	MJ. net CV	2.48E+01	2.24E+01	8.94E-02	2.37E+00			
PERM	MJ. net CV	1.38E-01	1.30E-01	0.00E+00	7.91E-03			
PERT	MJ. net CV	2.50E+01	2.25E+01	8.94E-02	2.38E+00			





Acronyms

PENRE	MJ. net CV	1.58E+02	1.35E+02	6.34E+00	1.66E+01
PENRM	MJ. net CV	3.50E-02	3.30E-02	0.00E+00	2.00E-03
PENRT	MJ. net CV	1.58E+02	1.35E+02	6.34E+00	1.66E+01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	9.38E-02	8.42E-02	6.54E-04	8.95E-03

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water

Results	for products	with 1216g/m ² to	1310g/m ² of yarn.
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Indicator	Unit	A1-A3	A1	A2	A3
PERE	MJ. net CV	2.68E+01	2.43E+01	9.55E-02	2.37E+00
PERM	MJ. net CV	1.50E-01	1.42E-01	0.00E+00	7.91E-03
PERT	MJ. net CV	2.70E+01	2.45E+01	9.55E-02	2.38E+00
PENRE	MJ. net CV	1.67E+02	1.43E+02	6.77E+00	1.66E+01
PENRM	MJ. net CV	3.80E-02	3.60E-02	0.00E+00	2.00E-03
PENRT	MJ. net CV	1.67E+02	1.43E+02	6.77E+00	1.66E+01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m³	9.89E-02	8.92E-02	6.99E-04	8.95E-03

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water

Results for products with 1315g/m ² to 1411g/m ² of yarn.							
Indicator	Unit	A1-A3	A1	A2	A3		
PERE	MJ. net CV	2.87E+01	2.62E+01	1.02E-01	2.37E+00		
PERM	MJ. net CV	1.61E-01	1.54E-01	0.00E+00	7.91E-03		
PERT	MJ. net CV	2.88E+01	2.64E+01	1.02E-01	2.38E+00		
PENRE	MJ. net CV	1.76E+02	1.52E+02	7.20E+00	1.66E+01		
PENRM	MJ. net CV	4.08E-02	3.88E-02	0.00E+00	2.00E-03		
PENRT	MJ. net CV	1.76E+02	1.52E+02	7.20E+00	1.66E+01		
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
RSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
NRSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
FW	m³	1.04E-01	9.45E-02	7.43E-04	8.95E-03		
	PERE = Lise of re	newahle nrimary er	ergy excluding renew	able primary energy resourc	es used as raw materials. PERM		

Acronyms PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy





resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water

Results for products with 1415g/m ² to 1512g/m ² of yarn.							
Indicator	Unit	A1-A3	A1	A2	A3		
PERE	MJ. net CV	3.06E+01	2.81E+01	1.08E-01	2.37E+00		
PERM	MJ. net CV	1.73E-01	1.65E-01	0.00E+00	7.91E-03		
PERT	MJ. net CV	3.07E+01	2.82E+01	1.08E-01	2.38E+00		
PENRE	MJ. net CV	1.86E+02	1.61E+02	7.66E+00	1.66E+01		
PENRM	MJ. net CV	4.37E-02	4.17E-02	0.00E+00	2.00E-03		
PENRT	MJ. net CV	1.86E+02	1.61E+02	7.66E+00	1.66E+01		
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
RSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
NRSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
FW	m³	1.10E-01	1.00E-01	7.90E-04	8.95E-03		

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water

Acronyms

Acronyms

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Results for products with 1517g/m ² to 1620g/m ² of yarn.							
Indicator	Unit	A1-A3	A1	A2	A3		
PERE	MJ. net CV	3.25E+01	3.00E+01	1.13E-01	2.37E+00		
PERM	MJ. net CV	1.84E-01	1.76E-01	0.00E+00	7.91E-03		
PERT	MJ. net CV	3.27E+01	3.02E+01	1.13E-01	2.38E+00		
PENRE	MJ. net CV	1.93E+02	1.69E+02	8.04E+00	1.66E+01		
PENRM	MJ. net CV	4.66E-02	4.46E-02	0.00E+00	2.00E-03		
PENRT	MJ. net CV	1.93E+02	1.69E+02	8.04E+00	1.66E+01		
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
RSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
NRSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
FW	m ³	1.14E-01	1.05E-01	8.30E-04	8.95E-03		
	2525 II 6		1 1				

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water

Results for products with 1625g/m ² to 1810g/m ² of yarn.							
Indicator	Unit	A1-A3	A1	A2	A3		
PERE	MJ. net CV	3.53E+01	3.28E+01	1.22E-01	2.37E+00		
PERM	MJ. net CV	2.01E-01	1.93E-01	0.00E+00	7.91E-03		
PERT	MJ. net CV	3.55E+01	3.30E+01	1.22E-01	2.38E+00		
PENRE	MJ. net CV	2.06E+02	1.81E+02	8.67E+00	1.66E+01		





Acronyms

Acronyms

PENRM	MJ. net CV	5.09E-02	4.89E-02	0.00E+00	2.00E-03
PENRT	MJ. net CV	2.06E+02	1.81E+02	8.67E+00	1.66E+01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	1.22E-01	1.12E-01	8.95E-04	8.95E-03

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water

	Results	for products	with 1840g/m	n² to 2035g/m² of y	arn.
Indicator	Unit	A1-A3	A1	A2	A3
PERE	MJ. net CV	3.94E+01	3.69E+01	1.36E-01	2.37E+00
PERM	MJ. net CV	2.26E-01	2.18E-01	0.00E+00	7.91E-03
PERT	MJ. net CV	3.97E+01	3.71E+01	1.36E-01	2.38E+00
PENRE	MJ. net CV	2.26E+02	2.00E+02	9.60E+00	1.66E+01
PENRM	MJ. net CV	5.72E-02	5.52E-02	0.00E+00	2.00E-03
PENRT	MJ. net CV	2.26E+02	2.00E+02	9.60E+00	1.66E+01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	1.34E-01	1.24E-01	9.92E-04	8.95E-03

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water

Results for products with 2150g/m ² to 2340g/m ² of yarn.							
Indicator	Unit	A1-A3	A1	A2	A3		
PERE	MJ. net CV	4.52E+01	4.27E+01	1.53E-01	2.37E+00		
PERM	MJ. net CV	2.61E-01	2.53E-01	0.00E+00	7.91E-03		
PERT	MJ. net CV	4.54E+01	4.29E+01	1.53E-01	2.38E+00		
PENRE	MJ. net CV	2.52E+02	2.24E+02	1.09E+01	1.66E+01		
PENRM	MJ. net CV	6.60E-02	6.40E-02	0.00E+00	2.00E-03		
PENRT	MJ. net CV	2.52E+02	2.24E+02	1.09E+01	1.66E+01		
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
RSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
NRSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
FW	m ³	1.49E-01	1.39E-01	1.12E-03	8.95E-03		
	PERE = Lise of re	newable primary er	ergy excluding renew	able primary energy resourc	es used as raw materials. PERM		

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRT = Total use of as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of set used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of set used as raw materials; PENRT = Total use of set used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renew





of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water

Products with Primary backing 305g •

	Result	s for products with 1	317g/m ² to 14	25g/m ² of yarn.					
Indicator	Unit	A1-A3	A1	A2	A3				
PERE	MJ. net CV	2.90E+01	2.66E+01	1.05E-01	2.37E+00				
PERM	MJ. net CV	1.62E-01	1.54E-01	0.00E+00	7.91E-03				
PERT	MJ. net CV	2.92E+01	2.67E+01	1.05E-01	2.38E+00				
PENRE	MJ. net CV	1.83E+02	1.59E+02	7.47E+00	1.66E+01				
PENRM	MJ. net CV	4.11E-02	3.91E-02	0.00E+00	2.00E-03				
PENRT	MJ. net CV	1.83E+02	1.59E+02	7.47E+00	1.66E+01				
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
RSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
NRSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
FW	m ³	1.08E-01	9.85E-02	7.72E-04	8.95E-03				
Acronyms	Acronyms renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy resources used as raw materials; PENT = Total use of non-renewable primary energy resources; SM = Use of non-renewable primary energy resources used as raw materials; PENT = Total use of non-renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water								
	Result	s for products with 1	616g/m ² to 17	82g/m ² of yarn.					
Indicator	Unit	A1-A3	A1	A2	A3				
PERE	MJ. net CV	3.52E+01	3.27E+01	1.24E-01	2.37E+00				
PERM	MJ. net CV	1.99E-01	1.91E-01	0.00E+00	7.91E-03				
PERT	MJ. net CV	3.54E+01	3.29E+01	1.24E-01	2.38E+00				
PENRE	MJ. net CV	2.10E+02	1.85E+02	8.80E+00	1.66E+01				
PENRM	MJ. net CV	5.04E-02	4.84E-02	0.00E+00	2.00E-03				
PENRT	MJ. net CV	2.10E+02	1.85E+02	8.80E+00	1.66E+01				
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
RSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
NRSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
FW	m ³	1.24E-01	1.14E-01	9.09E-04	8.95E-03				
Acronyms	PERE = Use of renew renewable primary ene non-renewable prim	vable primary energy excluding r rgy resources used as raw mater ary energy excluding non-renew	enewable primary ene rials; PERT = Total use o able primary energy re	ergy resources used as raw m of renewable primary energy esources used as raw materia	aterials; PERM = Use of resources; PENRE = Use of lls; PENRM = Use of non-				

Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water Results for products with 2510g/m² to 2695g/m² of yarn. Unit Indicator A1-A3 A1 A2 A3

renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM =

A Tarkett Sports Company							
PERE	MJ. net CV	5.21E+01	4.95E+01	1.77E-01	2.37E+00		
PERM	MJ. net CV	3.01E-01	2.93E-01	0.00E+00	7.91E-03		
PERT	MJ. net CV	5.24E+01	4.98E+01	1.77E-01	2.38E+00		
PENRE	MJ. net CV	2.88E+02	2.59E+02	1.26E+01	1.66E+01		
PENRM	MJ. net CV	7.62E-02	7.42E-02	0.00E+00	2.00E-03		
PENRT	MJ. net CV	2.89E+02	2.59E+02	1.26E+01	1.66E+01		
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
RSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
NRSF	MJ. net CV	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
FW	m ³	1.70E-01	1.59E-01	1.30E-03	8.95E-03		
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PERT = Total use of non-renewable primary energy resources used as raw materials; PENRT = Use of non-renewable primary energy resources; SM = Use of non-renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary f						

fuels; FW = Use of net fresh water

FPN®

Waste production.

FieldTurf®

Results for products with 795g/m² to 946g/m² of yarn. Indicator Unit A1-A3 A2 A1 A3 Hazardous waste disposed 2.05E-01 1.16E-01 3.31E-03 8.63E-02 kg Non hazardous waste disposed kg 8.28E-01 4.63E-01 2.70E-01 9.41E-02 1.73E-04 6.90E-05 6.90E-05 Radioactive waste disposed 3.51E-05 kg Results for products with 948g/m² to 1095g/m² of yarn. Indicator Unit A1-A3 A1 A2 A3 2.23E-01 1.33E-01 3.71E-03 8.63E-02 Hazardous waste disposed kg 9.29E-01 5.31E-01 3.04E-01 9.41E-02 Non hazardous waste disposed kg 1.86E-04 7.78E-05 3.94E-05 6.90E-05 Radioactive waste disposed kg Results for products with 1100g/m² to 1215g/m² of yarn. Indicator Unit A1-A3 A1 A3 A2 Hazardous waste disposed 2.38E-01 1.48E-01 4.08E-03 8.63E-02 kg 1.02E+00 5.93E-01 3.33E-01 9.41E-02 Non hazardous waste disposed kg 1.98E-04 8.58E-05 4.32E-05 6.90E-05 Radioactive waste disposed kg Results for products with 1216g/m² to 1310g/m² of yarn. Indicator Unit A1-A3 A1 A2 A3 2.50E-01 4.35E-03 8.63E-02 1.59E-01 Hazardous waste disposed kg Non hazardous waste disposed kg 1.09E+00 6.40E-01 3.56E-01 9.41E-02 2.07E-04 9.20E-05 4.61E-05 6.90E-05 Radioactive waste disposed kg Results for products with 1315g/m² to 1411g/m² of yarn.

• Products with Primary backing 240g





Indicator	Unit	A1-A3	A1	A2	A3		
Hazardous waste disposed	kg	2.62E-01	1.71E-01	4.63E-03	8.63E-02		
Non hazardous waste disposed	kg	1.16E+00	6.85E-01	3.78E-01	9.41E-02		
Radioactive waste disposed	kg	2.16E-04	9.78E-05	4.91E-05	6.90E-05		
Results for products with 1415g/m ² to 1512g/m ² of yarn.							
Indicator	Unit	A1-A3	A1	A2	A3		
Hazardous waste disposed	kg	2.74E-01	1.82E-01	4.92E-03	8.63E-02		
Non hazardous waste disposed	kg	1.23E+00	7.31E-01	4.02E-01	9.41E-02		
Radioactive waste disposed	kg	2.25E-04	1.04E-04	5.22E-05	6.90E-05		
Results fo	r products	s with 1517g/r	m² to 1620g/m ²	² of yarn.			
Indicator	Unit	A1-A3	A1	A2	A3		
Hazardous waste disposed	kg	2.85E-01	1.93E-01	5.17E-03	8.63E-02		
Non hazardous waste disposed	kg	1.29E+00	7.77E-01	4.23E-01	9.41E-02		
Radioactive waste disposed	kg	2.33E-04	1.10E-04	5.48E-05	6.90E-05		
Results for products with 1625g/m ² to 1810g/m ² of yarn.							
Results to	r products	s with 1625g/r	n² to 1810g/m	² of yarn.			
Indicator	r product: Unit	A1-A3	n² to 1810g/m [.] A1	2 of yarn. A2	A3		
Indicator Hazardous waste disposed	r product: Unit kg	A1-A3 3.02E-01	n² to 1810g/m A1 2.10E-01	2 of yarn. A2 5.58E-03	A3 8.63E-02		
Indicator Hazardous waste disposed Non hazardous waste disposed	r products Unit kg kg	A1-A3 3.02E-01 1.40E+00	A1 2.10E-01 8.45E-01	A2 5.58E-03 4.56E-01	A3 8.63E-02 9.41E-02		
Results fo Indicator Hazardous waste disposed Non hazardous waste disposed Radioactive waste disposed	r products Unit kg kg kg	A1-A3 3.02E-01 1.40E+00 2.47E-04	A1 2.10E-01 8.45E-01 1.19E-04	A2 5.58E-03 4.56E-01 5.91E-05	A3 8.63E-02 9.41E-02 6.90E-05		
Indicator Hazardous waste disposed Non hazardous waste disposed Radioactive waste disposed Results fo	r products Unit kg kg kg r products	A1-A3 3.02E-01 1.40E+00 2.47E-04 S with 1840g/r	n² to 1810g/m² A1 2.10E-01 8.45E-01 1.19E-04 n² to 2035g/m²	2 of yarn. A2 5.58E-03 4.56E-01 5.91E-05 2 of yarn.	A3 8.63E-02 9.41E-02 6.90E-05		
Indicator Hazardous waste disposed Non hazardous waste disposed Radioactive waste disposed Results fo Indicator	r products Unit kg kg kg r products Unit	A1-A3 3.02E-01 1.40E+00 2.47E-04 S with 1840g/r A1-A3	n² to 1810g/m² A1 2.10E-01 8.45E-01 1.19E-04 n² to 2035g/m² A1	² of yarn. A2 5.58E-03 4.56E-01 5.91E-05 ² of yarn. A2	A3 8.63E-02 9.41E-02 6.90E-05 A3		
Indicator Hazardous waste disposed Non hazardous waste disposed Radioactive waste disposed Results fo Indicator Hazardous waste disposed	r products Unit kg kg r products Unit kg	A1-A3 3.02E-01 1.40E+00 2.47E-04 S with 1840g/r A1-A3 3.28E-01	n² to 1810g/m² A1 2.10E-01 8.45E-01 1.19E-04 n² to 2035g/m² A1 2.35E-01	 A2 5.58E-03 4.56E-01 5.91E-05 2 of yarn. A2 6.18E-03 	A3 8.63E-02 9.41E-02 6.90E-05 A3 8.63E-02		
Indicator Hazardous waste disposed Non hazardous waste disposed Radioactive waste disposed Results fo Indicator Hazardous waste disposed Non hazardous waste disposed	r products Unit kg kg kg r products Unit kg kg	A1-A3 3.02E-01 1.40E+00 2.47E-04 s with 1840g/r A1-A3 3.28E-01 1.54E+00	n² to 1810g/m² A1 2.10E-01 8.45E-01 1.19E-04 n² to 2035g/m² A1 2.35E-01 9.45E-01	 A2 5.58E-03 4.56E-01 5.91E-05 2 of yarn. A2 6.18E-03 5.05E-01 	A3 8.63E-02 9.41E-02 6.90E-05 A3 8.63E-02 9.41E-02		
Results for Indicator Hazardous waste disposed Non hazardous waste disposed Radioactive waste disposed Indicator Hazardous waste disposed Indicator Hazardous waste disposed Non hazardous waste disposed Non hazardous waste disposed Radioactive waste disposed Radioactive waste disposed	r products Unit kg kg r products Unit kg kg kg	x with 1625g/r A1-A3 3.02E-01 1.40E+00 2.47E-04 x with 1840g/r A1-A3 3.28E-01 1.54E+00 2.66E-04	n² to 1810g/m² A1 2.10E-01 8.45E-01 1.19E-04 n² to 2035g/m² A1 2.35E-01 9.45E-01 1.31E-04	 A2 5.58E-03 4.56E-01 5.91E-05 2 of yarn. A2 6.18E-03 5.05E-01 6.55E-05 	A3 8.63E-02 9.41E-02 6.90E-05 A3 8.63E-02 9.41E-02 6.90E-05		
Results for Indicator Hazardous waste disposed Non hazardous waste disposed Radioactive waste disposed Indicator Hazardous waste disposed Indicator Hazardous waste disposed Non hazardous waste disposed Non hazardous waste disposed Radioactive waste disposed Radioactive waste disposed Radioactive waste disposed	r products Unit kg kg r products Unit kg kg kg r products	A1-A3 3.02E-01 1.40E+00 2.47E-04 with 1840g/r A1-A3 3.28E-01 1.54E+00 2.66E-04 with 2150g/r	n² to 1810g/m² A1 2.10E-01 8.45E-01 1.19E-04 n² to 2035g/m² A1 2.35E-01 9.45E-01 1.31E-04 n² to 2340g/m²	 2 of yarn. A2 5.58E-03 4.56E-01 5.91E-05 2 of yarn. A2 6.18E-03 5.05E-01 6.55E-05 2 of yarn. 	A3 8.63E-02 9.41E-02 6.90E-05 A3 8.63E-02 9.41E-02 6.90E-05		
Results for Indicator Hazardous waste disposed Non hazardous waste disposed Radioactive waste disposed Indicator Hazardous waste disposed Indicator Hazardous waste disposed Non hazardous waste disposed Non hazardous waste disposed Radioactive waste disposed Radioactive waste disposed Radioactive waste disposed Indicator	r products Unit kg kg r products Unit kg kg kg r products Unit	A1-A3 3.02E-01 1.40E+00 2.47E-04 s with 1840g/r A1-A3 3.28E-01 1.54E+00 2.66E-04 s with 2150g/r A1-A3	n² to 1810g/m A1 2.10E-01 8.45E-01 1.19E-04 n² to 2035g/m A1 2.35E-01 9.45E-01 1.31E-04 n² to 2340g/m² A1	 2 of yarn. A2 5.58E-03 4.56E-01 5.91E-05 2 of yarn. A2 6.18E-03 5.05E-01 6.55E-05 2 of yarn. A2 	A3 8.63E-02 9.41E-02 6.90E-05 A3 8.63E-02 9.41E-02 6.90E-05 A3		
Results for Indicator Hazardous waste disposed Non hazardous waste disposed Radioactive waste disposed Indicator Hazardous waste disposed Non hazardous waste disposed Non hazardous waste disposed Radioactive waste disposed Radioactive waste disposed Radioactive waste disposed Radioactive waste disposed Hazardous waste disposed Hazardous waste disposed	r products Unit kg kg r products Unit kg kg r products Unit kg	A1-A3 3.02E-01 1.40E+00 2.47E-04 with 1840g/r A1-A3 3.28E-01 1.54E+00 2.66E-04 s with 2150g/r A1-A3 3.62E-01	n² to 1810g/m A1 2.10E-01 8.45E-01 1.19E-04 n² to 2035g/m A1 2.35E-01 9.45E-01 1.31E-04 n² to 2340g/m A1 2.69E-01	 A2 5.58E-03 4.56E-01 5.91E-05 2 of yarn. A2 6.18E-03 5.05E-01 6.55E-05 2 of yarn. A2 6.99E-03 	A3 8.63E-02 9.41E-02 6.90E-05 A3 8.63E-02 9.41E-02 6.90E-05 A3 A3 8.63E-02		
Results for Indicator Hazardous waste disposed Non hazardous waste disposed Radioactive waste disposed Indicator Hazardous waste disposed Indicator Hazardous waste disposed Non hazardous waste disposed Non hazardous waste disposed Radioactive waste disposed Radioactive waste disposed Hazardous waste disposed Indicator Hazardous waste disposed Non hazardous waste disposed Non hazardous waste disposed	r products Unit kg kg kg r products Unit kg kg r products Unit kg	A1-A3 3.02E-01 1.40E+00 2.47E-04 swith 1840g/r A1-A3 3.28E-01 1.54E+00 2.66E-04 swith 2150g/r A1-A3 3.28E-01 1.54E+00 2.66E-04 swith 2150g/r A1-A3 3.62E-01 1.75E+00	n² to 1810g/m A1 2.10E-01 8.45E-01 1.19E-04 n² to 2035g/m A1 2.35E-01 9.45E-01 1.31E-04 n² to 2340g/m A1 2.69E-01 1.08E+00	 2 of yarn. A2 5.58E-03 4.56E-01 5.91E-05 2 of yarn. A2 6.18E-03 5.05E-01 6.55E-05 2 of yarn. A2 6.99E-03 5.71E-01 	A3 8.63E-02 9.41E-02 6.90E-05 A3 8.63E-02 9.41E-02 6.90E-05 41 A3 8.63E-02 9.41E-02 6.90E-05 43 8.63E-02 9.41E-02 6.90E-05		

• Products with primary backing 305g

Results for products with 1317g/m ² to 1425g/m ² of yarn.								
Indicator	Unit	A1-A3	A1	A2	A3			
Hazardous waste disposed	kg	2.66E-01	1.75E-01	4.81E-03	8.63E-02			
Non hazardous waste disposed	kg	1.19E+00	7.08E-01	3.93E-01	9.41E-02			
Radioactive waste disposed	kg	2.23E-04	1.03E-04	5.10E-05	6.90E-05			



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Results for products with 1616g/m ² to 1782g/m ² of yarn.							
Indicator	Unit	A1-A3	A1	A2	A3		
Hazardous waste disposed	kg	3.03E-01	2.11E-01	5.66E-03	8.63E-02		
Non hazardous waste disposed	kg	1.41E+00	8.56E-01	4.63E-01	9.41E-02		
Radioactive waste disposed	kg	2.51E-04	1.22E-04	6.00E-05	6.90E-05		
Results for products with 2510g/m ² to 2695g/m ² of yarn.							
Indicator	Unit	A1-A3	A1	A2	A3		
Hazardous waste disposed	kg	4.06E-01	3.12E-01	8.08E-03	8.63E-02		
Non hazardous waste disposed	kg	2.02E+00	1.26E+00	6.60E-01	9.41E-02		
Radioactive waste disposed	kσ	3.30F-04	1.75E-04	8.57E-05	6.90F-05		

Output Flows.

Results for products with 795g/m ² to 946g/m ² of yarn.								
Indicator	Unit	A1-A3	A1	A2	A3			
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
Materials for recycling	kg	7.85E-03	7.27E-03	0.00E+00	5.86E-04			
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
Exported energy -electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
Exported energy -thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
Results for products with 948g/m ² to 1095g/m ² of yarn.								
Indicator	Unit	A1-A3	A1	A2	A3			
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
Materials for recycling	kg	9.12E-03	8.53E-03	0.00E+00	5.86E-04			
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
Exported energy -electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
Exported energy -thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
Results	for product	s with 1100g/r	n² to 1215g/m	² of yarn.				
Indicator	Unit	A1-A3	A1	A2	A3			
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
Materials for recycling	kg	1.03E-02	9.67E-03	0.00E+00	5.86E-04			
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
Exported energy -electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
Exported energy -thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
Results for products with 1216g/m ² to 1310g/m ² of yarn.								
Indicator	Unit	A1-A3	A1	A2	A3			
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
Materials for recycling	kg	1.11E-02	1.05E-02	0.00E+00	5.86E-04			
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00			
Exported energy -electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00			





Exported energy -thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Results	for products	s with 1315g/r	m² to 1411g/m	² of yarn.	
Indicator	Unit	A1-A3	A1	A2	A3
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	1.20E-02	1.14E-02	0.00E+00	5.86E-04
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Results	for product	s with 1415g/r	n² to 1512g/m	² of yarn.	
Indicator	Unit	A1-A3	A1	A2	A3
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	1.11E-02	1.05E-02	0.00E+00	5.86E-04
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Results	for product	s with 1517g/r	n² to 1620g/m	² of yarn.	
Indicator	Unit	A1-A3	A1	A2	A3
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	1.37E-02	1.31E-02	0.00E+00	5.86E-04
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Results	for product	s with 1625g/r	n² to 1810g/m	² of yarn.	
Indicator	Unit	A1-A3	A1	A2	A3
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	1.49E-02	1.43E-02	0.00E+00	5.86E-04
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Results	for product	s with 1840g/r	m² to 2035g/m	² of yarn.	
Indicator	Unit	A1-A3	A1	A2	A3
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	1.68E-02	1.62E-02	0.00E+00	5.86E-04
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Results	for product	s with 2150g/r	n² to 2340g/m	² of yarn.	
Indicator	Unit	A1-A3	A1	A2	A3
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00





Materials for recycling	kg	1.93E-02	1.87E-02	0.00E+00	5.86E-04
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00

• Products with primary backing 305g

Results for products with 1317g/m ² to 1425g/m ² of yarn.					
Indicator	Unit	A1-A3	A1	A2	A3
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	1.20E-02	1.14E-02	0.00E+00	5.86E-04
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Results	for product	s with 1616g/r	m² to 1782g/m² (of yarn.	
Indicator	Unit	A1-A3	A1	A2	A3
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	1.48E-02	1.42E-02	0.00E+00	5.86E-04
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Results for products with 2510g/m ² to 2695g/m ² of yarn.					
Indicator	Unit	A1-A3	A1	A2	A3
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	2.23E-02	2.17E-02	0.00E+00	5.86E-04
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy -thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Additional Indicator.

• Products with primary backing 240g

Results for products with 795g/m ² to 946g/m ² of yarn.					
Indicator	Unit	A1-A3	A1	A2	A3
GWP-Fossil	kg CO2 eq	5.43E+00	3.80E+00	3.41E-01	1.28E+00



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Results for products with 948g/m ² to 1095g/m ² of yarn.					
Indicator	Unit	A1-A3	A1	A2	A3
GWP-Fossil	kg CO2 eq	5.91E+00	4.25E+00	3.83E-01	1.28E+00
Res	sults for product	s with 1100g/r	n² to 1215g/m²	of yarn.	
Indicator	Unit	A1-A3	A1	A2	A3
GWP-Fossil	kg CO2 eq	6.35E+00	4.65E+00	4.21E-01	1.28E+00
Res	sults for product	s with 1216g/r	n² to 1310g/m²	of yarn.	
Indicator	Unit	A1-A3	A1	A2	A3
GWP-Fossil	kg CO2 eq	6.68E+00	4.95E+00	4.49E-01	1.28E+00
Res	sults for product	s with 1315g/r	n² to 1411g/m²	of yarn.	
Indicator	Unit	A1-A3	A1	A2	A3
GWP-Fossil	kg CO2 eq	7.02E+00	5.26E+00	4.78E-01	1.28E+00
Res	sults for product	s with 1415g/r	n² to 1512g/m²	of yarn.	
Indicator	Unit	A1-A3	A1	A2	A3
GWP-Fossil	kg CO2 eq	7.35E+00	5.57E+00	5.07E-01	1.28E+00
Res	sults for product	s with 1517g/r	n² to 1620g/m²	of yarn.	
Indicator	Unit	A1-A3	A1	A2	A3
GWP-Fossil	kg CO2 eq	7.65E+00	5.83E+00	5.33E-01	1.28E+00
Results for products with 1625g/m ² to 1810g/m ² of yarn.					
Indicator	Unit	A1-A3	A1	A2	A3
GWP-Fossil	kg CO2 eq	8.14E+00	6.28E+00	5.75E-01	1.28E+00
Results for products with 1840g/m ² to 2035g/m ² of yarn.					
Indicator	Unit	A1-A3	A1	A2	A3
GWP-Fossil	kg CO2 eq	8.87E+00	6.95E+00	6.38E-01	1.28E+00
Results for products with 2150g/m ² to 2340g/m ² of yarn.					
Indicator	Unit	A1-A3	A1	A2	A3
GWP-Fossil	kg CO2 eq	9.86E+00	7.86E+00	7.23E-01	1.28E+00

Products with primary backing 305g					
Results for products with 1317g/m ² to 1425g/m ² of yarn.					
Indicator	Unit	A1-A3	A1	A2	A3
GWP-Fossil	kg CO2 eq	7.23E+00	5.46E+00	4.96E-01	1.28E+00
Results for products with 1616g/m ² to 1782g/m ² of yarn.					

• Products with primary backing 305g





Indicator	Unit	A1-A3	A1	A2	A3
GWP-Fossil	kg CO2 eq	8.25E+00	6.39E+00	5.84E-01	1.28E+00
Results for products with 2510g/m ² to 2695g/m ² of yarn.					
Indicator	Unit	A1-A3	A1	A2	A3
GWP-Fossil	kg CO2 eq	1,11E+01	9,02E+00	8,33E-01	1,27E+00

Information on biogenic carbon content for all groups

Results per functional or declared unit					
BIOGENIC CARBON CONTENT	Unit	QUANTITY			
Biogenic carbon content in product	kg C	0.00			
Biogenic carbon content in packaging	kg C	<0.02			

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

References

General Programme Instructions of the International EPD[®] System. Version 4.0. 2021-03-29. PCR 2019:14. Construction products. Version 1.11 *c-PCR-004. Resilient. Textile and Laminate floor coverings. Version 2019-12-20*

