

This appendix refers to the EPD MD-22143-EN, developed according to EN15804+A2:2019. Results in the appendix communicates LCA results in the format described in EN15804+A1:2013, in order to accommodate a need in the transition period between the two standard revisions. The appendix cannot stand alone, as the reference EPD describes the basis of the assessment.

LCA results following EN15804:2012+A1:2013 – Fibertex vPET:

ENVIRONMENTAL IMPACTS PER DECLARED UNIT (1 KG)													
Parameter	Unit	A1-A3	Scenario										
			Landfill					Incineration					Remains*
			C1	C2	C3	C4	D	C1	C2	C3	C4	D	
GWP	[kg CO <sub>2</sub> -eq.]	2.99E+00	2.62E-04	7.45E-03	0.00E+00	6.63E-02	0.00E+00	2.62E-04	7.45E-03	2.29E+00	0.00E+00	-6.98E-01	0.00E+00
ODP	[kg CFC11-eq.]	1.24E-11	3.18E-17	8.88E-16	0.00E+00	1.12E-13	0.00E+00	3.18E-17	8.88E-16	1.56E-13	0.00E+00	-5.64E-12	0.00E+00
AP	[kg SO <sub>2</sub> -eq.]	5.48E-03	2.58E-06	6.26E-06	0.00E+00	1.71E-04	0.00E+00	2.58E-06	6.26E-06	1.39E-04	0.00E+00	-7.35E-04	0.00E+00
EP	[kg PO <sub>4</sub> <sup>3-</sup> -eq.]	8.34E-04	5.66E-07	1.29E-06	0.00E+00	1.90E-04	0.00E+00	5.66E-07	1.29E-06	3.12E-05	0.00E+00	-1.05E-04	0.00E+00
POCP	[kg ethene-eq.]	1.14E-03	2.74E-07	-1.07E-07	0.00E+00	1.58E-05	0.00E+00	2.74E-07	-1.07E-07	1.34E-05	0.00E+00	-7.24E-05	0.00E+00
ADPE	[kg Sb-eq.]	4.06E-07	2.77E-11	7.75E-10	0.00E+00	4.99E-09	0.00E+00	2.77E-11	7.75E-10	3.36E-09	0.00E+00	-1.13E-07	0.00E+00
ADPF	[MJ]	7.49E+01	3.57E-03	9.96E-02	0.00E+00	9.71E-01	0.00E+00	3.57E-03	9.96E-02	3.06E-01	0.00E+00	-9.59E+00	0.00E+00
Caption	GWP = Global warming potential; ODP = Ozone depletion potential; AP = Acidification potential of soil and water; EP = Eutrophication potential; POCP = Photochemical ozone creation potential; ADPE = Abiotic depletion potential for non fossil resources; ADPF = Abiotic depletion potential for fossil resources												
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: 1,95*10 <sup>2</sup> or 195, while 1,12E-11 is the same as 1,12*10 <sup>-11</sup> or 0,0000000000112.												

\*EOL-scenario: Remains in construction

RESOURCE USE PER DECLARED UNIT (1 KG)													
Parameter	Unit	A1-A3	Scenario										
			Landfill					Incineration					Remains*
			C1	C2	C3	C4	D	C1	C2	C3	C4	D	
PERE	[MJ]	6.29E+00	2.50E-04	6.99E-03	0.00E+00	8.27E-02	0.00E+00	2.50E-04	6.99E-03	8.54E-02	0.00E+00	-3.31E+00	0.00E+00
PERM	[MJ]	1.93E+00	0.00E+00	0.00E+00	0.00E+00	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]	8.21E+00	2.50E-04	6.99E-03	0.00E+00	8.27E-02	0.00E+00	2.50E-04	6.99E-03	8.54E-02	0.00E+00	-3.31E+00	0.00E+00
PENRE	[MJ]	5.68E+01	3.62E-03	1.01E-01	0.00E+00	1.01E+00	0.00E+00	3.62E-03	1.01E-01	3.64E-01	0.00E+00	-1.20E+01	0.00E+00
PENRM	[MJ]	2.30E+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
PENRT	[MJ]	7.98E+01	3.62E-03	1.01E-01	0.00E+00	1.01E+00	0.00E+00	3.62E-03	1.01E-01	3.64E-01	0.00E+00	-1.20E+01	0.00E+00
SM	[kg]	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[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
NRSF	[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
FW	[m <sup>3</sup> ]	1.65E-02	2.89E-07	8.07E-06	0.00E+00	1.30E-05	0.00E+00	2.89E-07	8.07E-06	4.80E-03	0.00E+00	-3.18E-03	0.00E+00
Caption	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												
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: 1,95*10 <sup>2</sup> or 195, while 1,12E-11 is the same as 1,12*10 <sup>-11</sup> or 0,0000000000112.												

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WASTE CATEGORIES AND OUTPUT FLOWS PER DECLARED UNIT (1 KG)													
Parameter	Unit	A1-A3	Scenario										
			Landfill					Incineration					Remains*
			C1	C2	C3	C4	D	C1	C2	C3	C4	D	
HWD	[kg]	1.42E-08	1.92E-14	5.35E-13	0.00E+00	1.55E-10	0.00E+00	1.92E-14	5.35E-13	3.42E-11	0.00E+00	-1.63E-09	0.00E+00
NHWD	[kg]	6.45E-02	5.90E-07	1.65E-05	0.00E+00	9.96E-01	0.00E+00	5.90E-07	1.65E-05	1.08E-02	0.00E+00	-6.09E-03	0.00E+00
RWD	[kg]	1.76E-03	6.72E-09	1.88E-07	0.00E+00	1.24E-05	0.00E+00	6.72E-09	1.88E-07	2.20E-05	0.00E+00	-9.50E-04	0.00E+00
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[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	3.29E+00	0.00E+00	0.00E+00	0.00E+00
EET	[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	5.89E+00	0.00E+00	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												
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\*EOL-scenario: Remains in construction

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*Checked and approved by*



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