

This appendix refers to the EPD MD-23205-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.

ENVIRONMENTAL IMPACTS PER 1 M2 POLYETHYLEN MAT										
Parameter	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	4,84E-01	1,25E-03	4,66E-02	0,00E+00	0,00E+00	6,27E-04	4,45E-01	0,00E+00	-3,35E-01
ODP	[kg CFC11-eq.]	2,25E-12	1,95E-16	1,14E-13	0,00E+00	0,00E+00	9,76E-17	2,95E-14	0,00E+00	-1,82E-12
AP	[kg SO ₂ -eq.]	6,19E-04	1,35E-06	3,34E-05	0,00E+00	0,00E+00	6,76E-07	4,76E-05	0,00E+00	-1,95E-04
EP	[kg PO ₄ ³⁻ -eq.]	9,95E-05	2,97E-07	5,51E-06	0,00E+00	0,00E+00	1,48E-07	1,03E-05	0,00E+00	-4,11E-05
POCP	[kg ethene-eq.]	1,26E-04	-1,38E-07	6,48E-06	0,00E+00	0,00E+00	-6,91E-08	3,30E-06	0,00E+00	-2,41E-05
ADPE	[kg Sb-eq.]	4,67E-08	8,41E-11	2,36E-09	0,00E+00	0,00E+00	4,20E-11	3,55E-10	0,00E+00	-2,58E-08
ADPF	[MJ]	1,35E+01	1,71E-02	6,79E-01	0,00E+00	0,00E+00	8,54E-03	6,06E-02	0,00E+00	-5,20E+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 ² or 195, while 1,12E-11 is the same as 1,12*10 ⁻¹¹ or 0,00000000000112.									

RESOURCE USE PER 1 M2 POLYETHYLEN MAT										
Parameter	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
PERE	[MJ]	2,57E+00	1,26E-03	1,30E-01	0,00E+00	0,00E+00	6,31E-04	2,61E-02	0,00E+00	-2,17E+00
PERM	[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
PERT	[MJ]	2,57E+00	1,26E-03	1,30E-01	0,00E+00	0,00E+00	6,31E-04	2,61E-02	0,00E+00	-2,17E+00
PENRE	[MJ]	8,14E+00	1,74E-02	7,30E-01	0,00E+00	0,00E+00	8,71E-03	6,49E-02	0,00E+00	-5,44E+00
PENRM	[MJ]	6,36E+00	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]	1,45E+01	1,74E-02	7,30E-01	0,00E+00	0,00E+00	8,71E-03	6,49E-02	0,00E+00	-5,44E+00
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
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
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
FW	[m ³]	2,30E-03	1,38E-06	1,64E-04	0,00E+00	0,00E+00	6,92E-07	9,69E-04	0,00E+00	-6,30E-04
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									
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WASTE CATEGORIES AND OUTPUT FLOWS PER 1 M2 POLYETHYLEN MAT										
Parameter	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
HWD	[kg]	-5,37E-10	5,39E-14	-2,71E-11	0,00E+00	0,00E+00	2,70E-14	-5,22E-12	0,00E+00	4,41E-10
NHWD	[kg]	5,49E-03	2,66E-06	4,48E-04	0,00E+00	0,00E+00	1,33E-06	3,47E-03	0,00E+00	-4,02E-03
RWD	[kg]	2,86E-04	3,26E-08	1,44E-05	0,00E+00	0,00E+00	1,63E-08	1,36E-06	0,00E+00	-8,68E-05

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
MFR	[kg]	1,00E-03	0,00E+00	5,00E-05	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
EEE	[MJ]	0,00E+00	0,00E+00	5,00E-02	0,00E+00	0,00E+00	0,00E+00	9,99E-01	0,00E+00	0,00E+00
EET	[MJ]	4,13E-01	0,00E+00	2,33E-01	0,00E+00	0,00E+00	0,00E+00	4,24E+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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Checked and approved by



Stefan Emil Danielsson
Third party verifier of MD-23205-EN



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