

This appendix refers to the EPD MD-24007-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.

## Sound Reducer Light, Regupol Resist

ENVIRONMENTAL IMPACTS PER 1 kg Knudsen Kilen Sound Reducer Light, Regupol Resist										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
GWP	[kg CO <sub>2</sub> -eq.]	4.05E-01	2.62E-02	1.13E-01	5.45E-01	0.00E+00	4.23E-03	2.20E+00	0.00E+00	-1.57E-02
ODP	[kg CFC11-eq.]	7.03E-09	4.07E-15	1.16E-12	7.03E-09	0.00E+00	6.58E-16	2.09E-13	0.00E+00	-3.80E-13
AP	[kg SO <sub>2</sub> -eq.]	7.32E-04	2.82E-05	1.33E-04	8.94E-04	0.00E+00	4.56E-06	8.66E-04	0.00E+00	-4.31E-05
EP	[kg PO <sub>4</sub> <sup>3-</sup> -eq.]	2.08E-04	6.18E-06	3.29E-05	2.47E-04	0.00E+00	1.00E-06	2.23E-04	0.00E+00	-9.27E-06
POCP	[kg ethene-eq.]	1.40E-04	-2.88E-06	1.18E-05	1.49E-04	0.00E+00	-4.66E-07	5.50E-05	0.00E+00	-5.01E-06
ADPE	[kg Sb-eq.]	8.99E-07	1.75E-09	1.19E-08	9.13E-07	0.00E+00	2.84E-10	1.85E-09	0.00E+00	-6.32E-09
ADPF	[MJ]	4.08E+00	3.56E-01	1.97E+00	6.41E+00	0.00E+00	5.76E-02	5.11E-01	0.00E+00	-1.64E-01
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									

RESOURCE USE PER 1 kg Knudsen Kilen Sound Reducer Light, Regupol Resist										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
PERE	[MJ]	2.57E+00	2.63E-02	4.66E-01	3.06E+00	0.00E+00	4.26E-03	1.10E-01	0.00E+00	-6.63E-01
PERM	[MJ]	0.00E+00	0.00E+00	1.39E+00	1.39E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	2.57E+00	2.63E-02	1.86E+00	4.45E+00	0.00E+00	4.26E-03	1.10E-01	0.00E+00	-6.63E-01
PENRE	[MJ]	5.61E+00	3.63E-01	2.45E+00	8.43E+00	0.00E+00	5.87E-02	2.61E+01	0.00E+00	-2.16E-01
PENRM	[MJ]	2.55E+01	0.00E+00	1.89E-02	2.55E+01	0.00E+00	0.00E+00	-2.55E+01	0.00E+00	0.00E+00
PENRT	[MJ]	3.11E+01	3.63E-01	2.47E+00	3.39E+01	0.00E+00	5.87E-02	5.84E-01	0.00E+00	-2.16E-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
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 <sup>3</sup> ]	3.23E-03	2.88E-05	5.85E-04	3.84E-03	0.00E+00	4.66E-06	5.11E-03	0.00E+00	-1.65E-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									

WASTE CATEGORIES AND OUTPUT FLOWS PER 1 kg Knudsen Kilen Sound Reducer Light, Regupol Resist										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
HWD	[kg]	-2.40E-10	1.12E-12	8.59E-09	8.35E-09	0.00E+00	1.82E-13	5.15E-11	0.00E+00	1.59E-10
NHWD	[kg]	1.22E-01	5.53E-05	1.69E-03	1.24E-01	0.00E+00	8.95E-06	1.11E-02	0.00E+00	-8.76E-04
RWD	[kg]	6.64E-04	6.79E-07	1.74E-04	8.39E-04	0.00E+00	1.10E-07	2.39E-05	0.00E+00	-1.82E-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]	0.00E+00	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
EEE	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-01	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	2.32E-01	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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