

This appendix refers to the EPD MD-23135-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, Regupol

ENVIRONMENTAL IMPACTS PER 1 kg Knudsen Kilen Sound Reducer, Regupol										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
GWP	[kg CO <sub>2</sub> -eq.]	2.58E+00	2.62E-02	1.03E-01	2.71E+00	0.00E+00	4.23E-03	2.20E+00	0.00E+00	-7.86E-01
ODP	[kg CFC11- eq.]	4.82E-07	4.07E-15	1.21E-12	4.82E-07	0.00E+00	6.58E-16	2.09E-13	0.00E+00	-1.90E-11
AP	[kg SO <sub>2</sub> -eq.]	1.27E-02	2.82E-05	1.64E-04	1.28E-02	0.00E+00	4.56E-06	8.66E-04	0.00E+00	-2.15E-03
EP	[kg PO <sub>4</sub> <sup>3-</sup> - eq.]	4.45E-03	6.18E-06	4.30E-05	4.50E-03	0.00E+00	1.00E-06	2.23E-04	0.00E+00	-4.63E-04
POCP	[kg ethene- eq.]	2.32E-03	-2.88E-06	1.36E-05	2.33E-03	0.00E+00	-4.66E-07	5.50E-05	0.00E+00	-2.50E-04
ADPE	[kg Sb-eq.]	4.76E-05	1.75E-09	1.66E-08	4.76E-05	0.00E+00	2.84E-10	1.85E-09	0.00E+00	-3.16E-07
ADPF	[MJ]	7.05E+01	3.56E-01	2.16E+00	7.30E+01	0.00E+00	5.76E-02	5.11E-01	0.00E+00	-8.21E+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									

RESOURCE USE PER 1 kg Knudsen Kilen Sound Reducer, Regupol										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
PERE	[MJ]	3.30E+00	2.63E-02	5.94E-01	3.92E+00	0.00E+00	4.26E-03	1.10E-01	0.00E+00	-3.31E+01
PERM	[MJ]	0.00E+00	0.00E+00	2.10E+00	2.10E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	3.30E+00	2.63E-02	2.69E+00	6.02E+00	0.00E+00	4.26E-03	1.10E-01	0.00E+00	-3.31E+01
PENRE	[MJ]	5.12E+01	3.63E-01	2.66E+00	5.42E+01	0.00E+00	5.87E-02	2.61E+01	0.00E+00	-1.08E+01
PENRM	[MJ]	2.55E+01	0.00E+00	2.84E-02	2.55E+01	0.00E+00	0.00E+00	-2.55E+01	0.00E+00	0.00E+00
PENRT	[MJ]	7.67E+01	3.63E-01	2.69E+00	7.97E+01	0.00E+00	5.87E-02	5.84E-01	0.00E+00	-1.08E+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> ]	4.78E-02	2.88E-05	7.58E-04	4.86E-02	0.00E+00	4.66E-06	5.11E-03	0.00E+00	-8.23E-03
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, Regupol										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
HWD	[kg]	0.00E+00	1.12E-12	1.29E-08	1.29E-08	0.00E+00	1.82E-13	5.15E-11	0.00E+00	7.97E-09
NHWD	[kg]	0.00E+00	5.53E-05	2.20E-03	2.26E-03	0.00E+00	8.95E-06	1.11E-02	0.00E+00	-4.38E-02
RWD	[kg]	0.00E+00	6.79E-07	1.80E-04	1.80E-04	0.00E+00	1.10E-07	2.39E-05	0.00E+00	-9.11E-04
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	1.11E+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	1.16E+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									

Checked and approved by



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