

Environmental Profile

This LCA is calculated according to: ISO 14044, ISO 14040 and EN 15804

Ecochain v3.5.64



Product: 3081774 - ACARO PP PIPE SE 200 SN8 L=6 RB
Unit: 1 piece
Manufacturer: Wavin - SE - Eskilstuna

LCA standard: EN15804+A2 (2019)
Standard database: Worldwide - Ecoinvent v 3.6 Cut-Off
Externally verified: Yes
Issue date: 20-06-2022
End of validity: 20-06-2027
Verifier: Harry van Ewijk - SGS Search



This LCA was evaluated according to EN15804+A2. It was concluded that the LCA complies with this standard.

The LCA background information and project dossier have been registered in the online Ecochain application in the account Wavin - SE - Eskilstuna (2020). (☑ = module declared, MND = module not declared).

A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
☑	☑	☑	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	☑	☑	☑	☑
Product stage					Use stage							End-of-Life stage				
A1 Raw material supply A2 Transport A3 Manufacturing					B1 Use B2 Maintenance B3 Repair B4 Replacement B5 Refurbishment B6 Operational energy use B7 Operational water use							C1 De-construction demolition C2 Transport C3 Waste processing C4 Disposal				
Construction process stage					Benefits and loads beyond the system boundaries											
A4 Transport gate to site					D Reuse- Recovery- Recycling- potential											
A5 Assembly / Construction installation process																

Results

Environmental impact	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
GWP-total	kg CO2 eq	5.03E+1	4.96E+0	1.74E+0	5.70E+1	6.57E-1	1.91E+1	3.10E-1	-3.06E+1	4.65E+1
GWP-f	kg CO2 eq	5.01E+1	4.96E+0	1.26E+0	5.63E+1	6.57E-1	1.91E+1	3.10E-1	-3.05E+1	4.59E+1
GWP-b	kg CO2 eq	2.29E-1	2.25E-3	3.33E-1	5.64E-1	3.99E-4	-2.65E-2	2.70E-4	-1.06E-1	4.32E-1
GWP-luluc	kg CO2 eq	1.29E-2	1.83E-3	1.47E-1	1.62E-1	2.32E-4	3.69E-3	5.26E-6	-5.85E-3	1.60E-1
ODP	kg CFC11 eq	8.88E-7	1.09E-6	1.43E-7	2.12E-6	1.51E-7	4.80E-7	7.77E-9	-1.12E-6	1.64E-6
AP	mol H+ eq	1.78E-1	3.01E-2	1.07E-2	2.18E-1	3.74E-3	2.02E-2	1.85E-4	-8.58E-2	1.57E-1
EP-fw	kg P eq	7.35E-4	4.97E-5	2.33E-5	8.08E-4	5.41E-6	1.06E-4	2.41E-7	-3.38E-4	5.82E-4
EP-m	kg N eq	2.94E-2	1.04E-2	3.17E-3	4.31E-2	1.34E-3	5.86E-3	1.21E-4	-1.52E-2	3.52E-2
EP-T	mol N eq	3.32E-1	1.15E-1	3.48E-2	4.82E-1	1.48E-2	6.45E-2	7.52E-4	-1.68E-1	3.94E-1
POCP	kg NMVOC eq	1.54E-1	3.27E-2	9.68E-3	1.97E-1	4.22E-3	2.04E-2	2.82E-4	-7.76E-2	1.44E-1
ADP-mm	kg Sb eq	6.69E-4	1.25E-4	3.81E-5	8.32E-4	1.70E-5	8.00E-5	1.87E-7	-2.02E-4	7.27E-4
ADP-f	MJ	1.79E+3	7.46E+1	1.26E+1	1.87E+3	1.01E+1	6.40E+1	5.67E-1	-9.61E+2	9.88E+2
WDP	m3 depriv.	3.52E+1	2.66E-1	8.10E+0	4.36E+1	3.09E-2	1.26E+0	2.83E-3	-1.67E+1	2.82E+1
PM	disease inc.	1.55E-6	4.42E-7	1.81E-7	2.18E-6	5.93E-8	3.32E-7	3.90E-9	-7.20E-7	1.85E-6
IR	kBq U-235 eq	9.11E-1	3.13E-1	3.74E-2	1.26E+0	4.41E-2	1.93E-1	2.63E-3	-4.45E-1	1.06E+0
ETP-fw	CTUe	2.64E+2	6.64E+1	3.50E+1	3.65E+2	8.19E+0	7.23E+1	4.74E-1	-1.21E+2	3.25E+2
HTP-c	CTUh	1.24E-8	2.17E-9	1.38E-9	1.60E-8	2.91E-10	8.70E-9	1.38E-11	-5.08E-9	1.99E-8
HTP-nc	CTUh	3.30E-7	7.25E-8	3.77E-8	4.40E-7	9.76E-9	1.08E-7	3.05E-10	-1.31E-7	4.27E-7
SQP	Pt	6.05E+1	6.43E+1	1.65E+0	1.26E+2	8.63E+0	5.12E+1	1.45E+0	-2.59E+1	1.62E+2
Resource use	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
PERE	MJ	2.56E+1	9.30E-1	7.93E+1	1.06E+2	1.45E-1	3.16E+0	2.20E-2	-1.19E+1	9.72E+1
PERM	MJ	0	0	0	0	0	0	0	0	0
PERT	MJ	2.56E+1	9.30E-1	7.93E+1	1.06E+2	1.45E-1	3.16E+0	2.20E-2	-1.19E+1	9.72E+1
PENRE	MJ	1.92E+3	7.92E+1	1.33E+1	2.01E+3	1.07E+1	6.82E+1	6.02E-1	-1.04E+3	1.05E+3
PENRM	MJ	0	0	0	0	0	0	0	0	0
PENRT	MJ	1.92E+3	7.92E+1	1.33E+1	2.01E+3	1.07E+1	6.82E+1	6.02E-1	-1.04E+3	1.05E+3
PET	MJ	1.94E+3	8.02E+1	9.26E+1	2.12E+3	1.09E+1	7.14E+1	6.23E-1	-1.05E+3	1.15E+3
SM	kg	0	0	0	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0	0	0	0
FW	m3	5.27E-1	9.04E-3	1.92E-1	7.29E-1	1.14E-3	3.69E-2	6.99E-4	-2.49E-1	5.18E-1

Output flows and waste categories	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
HWD	kg	2.14E-4	1.88E-4	1.91E-5	4.22E-4	2.58E-5	1.04E-4	6.83E-7	-2.28E-4	3.24E-4
NHWD	kg	1.92E+0	4.69E+0	5.86E-2	6.67E+0	6.25E-1	3.14E+0	2.50E+0	-7.46E-1	1.22E+1
RWD	kg	7.88E-4	4.90E-4	5.32E-5	1.33E-3	6.86E-5	2.45E-4	3.70E-6	-4.01E-4	1.25E-3
CRU	kg	0	0	0	0	0	0	0	0	0
MFR	kg	0	0	0	0	0	0	0	0	0
MER	kg	0	0	0	0	0	0	0	0	0
EE	MJ	0	0	0	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0	0	0	0



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