

Environmental Profile

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

Ecochain v4.3.1



Product: 3060810 - Pressure infiltrationpipe kit 40/1x16m
Unit: 1 piece
Manufacturer: Wavin - SE - Eskilstuna - Verified

LCA standard: EN15804+A2 (2019)
Standard database: Worldwide - Ecoinvent v 3.6 Cut-Off
Externally verified: Yes



Issue date: 29-11-2024
End of validity: 29-11-2029
Verifier: Martijn van Hövell - 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 - Verified (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	1.280E+1	7.475E-1	3.550E-1	1.390E+1	1.484E-1	4.320E+0	6.995E-2	-6.923E+0	1.152E+1	
GWP-f	kg CO2 eq	1.277E+1	7.470E-1	2.932E-1	1.381E+1	1.483E-1	4.318E+0	6.995E-2	-6.913E+0	1.144E+1	
GWP-b	kg CO2 eq	2.336E-2	2.728E-4	2.775E-2	5.138E-2	5.684E-5	1.533E-3	4.836E-6	-8.904E-3	4.407E-2	
GWP-luluc	kg CO2 eq	4.688E-3	2.842E-4	3.408E-2	3.906E-2	5.251E-5	8.346E-4	1.185E-6	-1.329E-3	3.861E-2	
ODP	kg CFC11 eq	2.924E-7	1.641E-7	3.321E-8	4.897E-7	3.419E-8	1.087E-7	1.754E-9	-2.786E-7	3.557E-7	
AP	mol H+ eq	4.821E-2	5.438E-3	2.483E-3	5.613E-2	8.451E-4	4.572E-3	4.180E-5	-1.952E-2	4.207E-2	
EP-fw	kg P eq	2.361E-4	7.278E-6	5.410E-6	2.488E-4	1.221E-6	2.411E-5	5.440E-8	-7.837E-5	1.958E-4	
EP-m	kg N eq	8.189E-3	1.778E-3	7.359E-4	1.070E-2	3.024E-4	1.329E-3	2.731E-5	-3.448E-3	8.912E-3	
EP-T	mol N eq	9.239E-2	1.963E-2	8.074E-3	1.201E-1	3.332E-3	1.463E-2	1.698E-4	-3.817E-2	1.001E-1	
POCP	kg NMVOC eq	4.007E-2	5.502E-3	2.243E-3	4.781E-2	9.525E-4	4.625E-3	6.373E-5	-1.765E-2	3.580E-2	
ADP-mm	kg Sb eq	1.958E-4	1.816E-5	8.822E-6	2.228E-4	3.838E-6	1.813E-5	4.209E-8	-4.635E-5	1.984E-4	
ADP-f	MJ	4.255E+2	1.117E+1	2.913E+0	4.395E+2	2.277E+0	1.449E+1	1.280E-1	-2.169E+2	2.395E+2	
WDP	m3 depriv.	8.541E+0	3.878E-2	1.877E+0	1.046E+1	6.988E-3	2.837E-1	6.280E-4	-3.809E+0	6.939E+0	
PM	disease inc.	4.225E-7	6.464E-8	4.190E-8	5.290E-7	1.339E-8	7.528E-8	8.800E-10	-1.638E-7	4.548E-7	
IR	kBq U-235 eq	2.548E-1	4.686E-2	8.662E-3	3.103E-1	9.953E-3	4.370E-2	5.939E-4	-1.017E-1	2.628E-1	
ETP-fw	CTUe	9.703E+1	9.825E+0	8.121E+0	1.150E+2	1.849E+0	1.639E+1	1.072E-1	-2.855E+1	1.048E+2	
HTP-c	CTUh	3.945E-9	3.295E-10	3.208E-10	4.596E-9	6.580E-11	1.960E-9	3.115E-12	-1.170E-9	5.455E-9	
HTP-nc	CTUh	9.648E-8	1.064E-8	8.745E-9	1.159E-7	2.204E-9	2.436E-8	6.887E-11	-2.621E-8	1.163E-7	
SQP	Pt	3.524E+1	9.307E+0	3.830E-1	4.493E+1	1.948E+0	1.159E+1	3.286E-1	-5.970E+0	5.283E+1	
Resource use		Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
PERE	MJ	1.144E+1	1.366E-1	1.837E+1	2.995E+1	3.267E-2	7.154E-1	4.967E-3	-2.721E+0	2.798E+1	
PERM	MJ	0	0	0	0	0	0	0	0	0	
PERT	MJ	1.144E+1	1.366E-1	1.837E+1	2.995E+1	3.267E-2	7.154E-1	4.967E-3	-2.721E+0	2.798E+1	
PENRE	MJ	4.564E+2	1.186E+1	3.093E+0	4.714E+2	2.418E+0	1.543E+1	1.358E-1	-2.338E+2	2.556E+2	
PENRM	MJ	0	0	0	0	0	0	0	0	0	
PENRT	MJ	4.564E+2	1.186E+1	3.093E+0	4.714E+2	2.418E+0	1.543E+1	1.358E-1	-2.338E+2	2.556E+2	
PET	MJ	4.679E+2	1.200E+1	2.146E+1	5.013E+2	2.450E+0	1.615E+1	1.408E-1	-2.365E+2	2.836E+2	
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	1.464E-1	1.322E-3	4.459E-2	1.923E-1	2.577E-4	8.348E-3	1.579E-4	-5.672E-2	1.444E-1	

Output flows and waste categories	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
HWD	kg	6.821E-5	2.745E-5	4.436E-6	1.001E-4	5.824E-6	2.357E-5	1.541E-7	-5.516E-5	7.448E-5
NHWD	kg	6.744E-1	6.765E-1	1.359E-2	1.365E+0	1.411E-1	7.111E-1	5.642E-1	-1.734E-1	2.608E+0
RWD	kg	2.245E-4	7.357E-5	1.232E-5	3.104E-4	1.549E-5	5.540E-5	8.359E-7	-9.186E-5	2.902E-4
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
EET	MJ	0	0	0	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0	0	0	0
Others	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
BIO-C-Product	kg C	0	0	0	0	0	0	0	0	0
BIO-C-Packaging	kg C	4.841E-7	0	0	4.841E-7	0	0	0	0	4.841E-7



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