

Environmental Profile

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

Ecochain v4.3.1



Product: 3060808 - Pressure infiltrationpipe 40/2x16m
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	2.645E+1	1.559E+0	7.294E-1	2.874E+1	3.045E-1	8.934E+0	1.450E-1	-1.431E+1	2.382E+1
GWP-f	kg CO2 eq	2.639E+1	1.558E+0	6.023E-1	2.855E+1	3.043E-1	8.929E+0	1.450E-1	-1.428E+1	2.365E+1
GWP-b	kg CO2 eq	4.905E-2	5.584E-4	5.701E-2	1.066E-1	1.166E-4	3.002E-3	9.929E-6	-1.873E-2	9.101E-2
GWP-luluc	kg CO2 eq	9.956E-3	6.202E-4	7.003E-2	8.060E-2	1.077E-4	1.713E-3	2.431E-6	-2.896E-3	7.953E-2
ODP	kg CFC11 eq	6.351E-7	3.405E-7	6.822E-8	1.044E-6	7.013E-8	2.234E-7	3.597E-9	-5.844E-7	7.566E-7
AP	mol H+ eq	9.999E-2	1.360E-2	5.101E-3	1.187E-1	1.733E-3	9.393E-3	8.575E-5	-4.048E-2	8.942E-2
EP-fw	kg P eq	4.950E-4	1.468E-5	1.112E-5	5.208E-4	2.504E-6	4.950E-5	1.116E-7	-1.706E-4	4.024E-4
EP-m	kg N eq	1.704E-2	4.210E-3	1.512E-3	2.277E-2	6.202E-4	2.730E-3	5.624E-5	-7.163E-3	1.901E-2
EP-T	mol N eq	1.923E-1	4.654E-2	1.659E-2	2.555E-1	6.835E-3	3.005E-2	3.484E-4	-7.929E-2	2.134E-1
POCP	kg NMVOC eq	8.340E-2	1.288E-2	4.608E-3	1.009E-1	1.954E-3	9.500E-3	1.311E-4	-3.727E-2	7.519E-2
ADP-mm	kg Sb eq	4.160E-4	3.637E-5	1.812E-5	4.705E-4	7.872E-6	3.725E-5	8.636E-8	-9.538E-5	4.203E-4
ADP-f	MJ	8.759E+2	2.311E+1	5.984E+0	9.050E+2	4.671E+0	2.974E+1	2.626E-1	-4.463E+2	4.933E+2
WDP	m3 depriv.	1.775E+1	7.790E-2	3.856E+0	2.168E+1	1.434E-2	5.822E-1	1.290E-3	-8.142E+0	1.414E+1
PM	disease inc.	8.794E-7	1.298E-7	8.608E-8	1.095E-6	2.747E-8	1.546E-7	1.805E-9	-3.368E-7	9.424E-7
IR	kBq U-235 eq	5.401E-1	9.704E-2	1.780E-2	6.550E-1	2.042E-2	8.975E-2	1.218E-3	-2.228E-1	5.436E-1
ETP-fw	CTUe	2.060E+2	2.005E+1	1.668E+1	2.427E+2	3.793E+0	3.367E+1	2.205E-1	-6.031E+1	2.201E+2
HTP-c	CTUh	8.750E-9	6.984E-10	6.590E-10	1.011E-8	1.350E-10	4.025E-9	6.394E-12	-2.437E-9	1.184E-8
HTP-nc	CTUh	2.056E-7	2.151E-8	1.797E-8	2.450E-7	4.522E-9	5.009E-8	1.417E-10	-5.051E-8	2.493E-7
SQP	Pt	8.357E+1	1.845E+1	7.869E-1	1.028E+2	3.996E+0	2.381E+1	6.740E-1	-1.265E+1	1.186E+2
Resource use	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
PERE	MJ	2.584E+1	2.762E-1	3.774E+1	6.386E+1	6.702E-2	1.469E+0	1.020E-2	-5.851E+0	5.956E+1
PERM	MJ	0	0	0	0	0	0	0	0	0
PERT	MJ	2.584E+1	2.762E-1	3.774E+1	6.386E+1	6.702E-2	1.469E+0	1.020E-2	-5.851E+0	5.956E+1
PENRE	MJ	9.396E+2	2.453E+1	6.356E+0	9.705E+2	4.959E+0	3.169E+1	2.786E-1	-4.810E+2	5.265E+2
PENRM	MJ	0	0	0	0	0	0	0	0	0
PENRT	MJ	9.396E+2	2.453E+1	6.356E+0	9.705E+2	4.959E+0	3.169E+1	2.786E-1	-4.810E+2	5.265E+2
PET	MJ	9.655E+2	2.481E+1	4.410E+1	1.034E+3	5.026E+0	3.315E+1	2.888E-1	-4.868E+2	5.860E+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	3.043E-1	2.659E-3	9.162E-2	3.986E-1	5.286E-4	1.713E-2	3.239E-4	-1.207E-1	2.958E-1

Output flows and waste categories	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
HWD	kg	1.470E-4	5.501E-5	9.113E-6	2.112E-4	1.195E-5	4.842E-5	3.161E-7	-1.170E-4	1.548E-4
NHWD	kg	1.437E+0	1.333E+0	2.793E-2	2.798E+0	2.895E-1	1.460E+0	1.157E+0	-3.635E-1	5.342E+0
RWD	kg	4.794E-4	1.526E-4	2.532E-5	6.573E-4	3.177E-5	1.138E-4	1.715E-6	-2.001E-4	6.045E-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	5.988E-7	0	0	5.988E-7	0	0	0	0	5.988E-7



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