

Environmental Profile

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

Ecochain v3.5.64



Product: 3062809 - PP Sewer Pipe SW RB 110 SN8 L=6 Sew.Lock
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	1.58E+1	6.10E-1	5.51E-1	1.69E+1	2.06E-1	6.02E+0	9.70E-2	-9.59E+0	1.37E+1
GWP-f	kg CO2 eq	1.57E+1	6.09E-1	3.99E-1	1.67E+1	2.06E-1	6.02E+0	9.70E-2	-9.56E+0	1.35E+1
GWP-b	kg CO2 eq	7.02E-2	1.61E-4	1.05E-1	1.75E-1	1.25E-4	-8.25E-3	8.45E-5	-3.34E-2	1.34E-1
GWP-luluc	kg CO2 eq	4.05E-3	2.68E-4	4.64E-2	5.07E-2	7.28E-5	1.16E-3	1.65E-6	-1.85E-3	5.01E-2
ODP	kg CFC11 eq	2.76E-7	1.31E-7	4.52E-8	4.53E-7	4.74E-8	1.50E-7	2.43E-9	-3.55E-7	2.98E-7
AP	mol H+ eq	5.56E-2	8.26E-3	3.38E-3	6.73E-2	1.17E-3	6.32E-3	5.80E-5	-2.68E-2	4.80E-2
EP-fw	kg P eq	2.28E-4	5.05E-6	7.37E-6	2.41E-4	1.69E-6	3.33E-5	7.56E-8	-1.05E-4	1.71E-4
EP-m	kg N eq	9.22E-3	2.32E-3	1.00E-3	1.25E-2	4.19E-4	1.84E-3	3.78E-5	-4.74E-3	1.01E-2
EP-T	mol N eq	1.04E-1	2.57E-2	1.10E-2	1.41E-1	4.62E-3	2.02E-2	2.36E-4	-5.25E-2	1.13E-1
POCP	kg NMVOC eq	4.83E-2	6.90E-3	3.05E-3	5.82E-2	1.32E-3	6.39E-3	8.84E-5	-2.42E-2	4.18E-2
ADP-mm	kg Sb eq	2.11E-4	1.22E-5	1.20E-5	2.35E-4	5.32E-6	2.50E-5	5.85E-8	-6.33E-5	2.02E-4
ADP-f	MJ	5.61E+2	8.79E+0	3.97E+0	5.73E+2	3.16E+0	2.00E+1	1.78E-1	-3.01E+2	2.95E+2
WDP	m3 depriv.	1.10E+1	2.64E-2	2.56E+0	1.36E+1	9.69E-3	3.93E-1	8.88E-4	-5.22E+0	8.81E+0
PM	disease inc.	4.85E-7	4.43E-8	5.70E-8	5.86E-7	1.86E-8	1.04E-7	1.22E-9	-2.24E-7	4.86E-7
IR	kBq U-235 eq	2.84E-1	3.71E-2	1.18E-2	3.33E-1	1.38E-2	6.04E-2	8.24E-4	-1.40E-1	2.68E-1
ETP-fw	CTUe	8.13E+1	7.25E+0	1.11E+1	9.96E+1	2.56E+0	2.26E+1	1.49E-1	-3.72E+1	8.77E+1
HTP-c	CTUh	3.52E-9	2.82E-10	4.37E-10	4.23E-9	9.13E-11	2.73E-9	4.33E-12	-1.59E-9	5.47E-9
HTP-nc	CTUh	9.91E-8	7.49E-9	1.19E-8	1.19E-7	3.06E-9	3.37E-8	9.56E-11	-4.51E-8	1.10E-7
SQP	Pt	1.90E+1	5.98E+0	5.21E-1	2.55E+1	2.70E+0	1.60E+1	4.56E-1	-8.08E+0	3.66E+1
Resource use	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
PERE	MJ	8.00E+0	9.61E-2	2.50E+1	3.31E+1	4.53E-2	9.89E-1	6.88E-3	-3.74E+0	3.04E+1
PERM	MJ	0	0	0	0	0	0	0	0	0
PERT	MJ	8.00E+0	9.61E-2	2.50E+1	3.31E+1	4.53E-2	9.89E-1	6.88E-3	-3.74E+0	3.04E+1
PENRE	MJ	6.02E+2	9.33E+0	4.21E+0	6.15E+2	3.35E+0	2.14E+1	1.88E-1	-3.25E+2	3.15E+2
PENRM	MJ	0	0	0	0	0	0	0	0	0
PENRT	MJ	6.02E+2	9.33E+0	4.21E+0	6.15E+2	3.35E+0	2.14E+1	1.88E-1	-3.25E+2	3.15E+2
PET	MJ	6.10E+2	9.43E+0	2.92E+1	6.48E+2	3.40E+0	2.23E+1	1.95E-1	-3.29E+2	3.46E+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	1.65E-1	9.05E-4	6.07E-2	2.27E-1	3.57E-4	1.16E-2	2.19E-4	-7.81E-2	1.61E-1

Output flows and waste categories	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
HWD	kg	6.53E-5	1.86E-5	6.04E-6	8.99E-5	8.08E-6	3.26E-5	2.14E-7	-6.97E-5	6.11E-5
NHWD	kg	5.87E-1	4.20E-1	1.85E-2	1.03E+0	1.96E-1	9.85E-1	7.83E-1	-2.32E-1	2.76E+0
RWD	kg	2.46E-4	5.86E-5	1.68E-5	3.21E-4	2.15E-5	7.65E-5	1.16E-6	-1.26E-4	2.94E-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
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



Ecochain Technologies BV
H.J.E. Wenckebachweg 123, 1096 AM Amsterdam, The Netherlands
<https://www.ecochain.com>
+31 20 3035 777