Environmental Profile

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

Ecochain v3.5.64



Product: 3062865 - X-Stream PP Bend 88,5° BK 800 SN8

Unit: 1 Piece

Manufacturer: Wavin - SE - Eskilstuna

Wavin X-Stream is a new generation of double-walled pipes and fittings made of polypropylene. The system is suitable for pressureless transport of rainwater and wastewater.

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

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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	В3	B4	B5	B6	B7	C1	C2	C3	C4	D
MND	MND	\square	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	\square	$\overline{\square}$	$\overline{\square}$	$\overline{\mathbf{V}}$
Product stage Use stage							End-of-Life stage									
A1 Raw material supply A2 Transport A3 Manufacturing				·						C1 De-construction demolition C2 Transport C3 Waste processing						
Construction process stage					B6 Operational energy use B7 Operational water use						C4 Disposal					
				-						Benefits and loads beyond the system boundaries						
A4 Transport gate to siteA5 Assembly / Construction installation process												D Reuse- Recov	ery- Recycling	g- potential		

Environmental impacts and parameters

GWP-total = EF Climate Change [kg CO2 eq]; GWP-f = EF Climate change - Fossil [kg CO2 eq]; GWP-b = EF Climate Change - Land use and LU change [kg CO2 eq]; GWP-m = EF Climate Change - Biogenic [kg CO2 eq]; GWP-b = EF Climate Change - Land use and LU change [kg CO2 eq]; GWP-m = EF Climate Change - Biogenic [kg CO2 eq]; GWP-b = EF Climate Change - Land use and LU change [kg CO2 eq]; GWP-m = EF Climate Change - Land use and LU change [kg CO2 eq]; GWP-b = EF Climate Change - Land use and LU change [kg CO2 eq]; GWP-f = EF Climate Change - Land use [kg CO2 eq]; GWP-b = EF Climate Change - Land us

Statement of Confidentiality

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Results

Environmental impact	Unit	A3	A1-A3	C2	С3	C4	D	Total
GWP-total	kg CO2 eq	8.96E+0	8.96E+0	0	0	0	0	8.96E+0
GWP-f	kg CO2 eq	6.50E+0	6.50E+0	0	0	0	0	6.50E+0
GWP-b	kg CO2 eq	1.71E+0	1.71E+0	0	0	0	0	1.71E+0
GWP-luluc	kg CO2 eq	7.55E-1	7.55E-1	0	0	0	0	7.55E-1
ODP	kg CFC11 eq	7.36E-7	7.36E-7	0	0	0	0	7.36E-7
AP	mol H+ eq	5.50E-2	5.50E-2	0	0	0	0	5.50E-2
EP-fw	kg P eq	1.20E-4	1.20E-4	0	0	0	0	1.20E-4
EP-m	kg N eq	1.63E-2	1.63E-2	0	0	0	0	1.63E-2
EP-T	mol N eq	1.79E-1	1.79E-1	0	0	0	0	1.79E-1
POCP	kg NMVOC eq	4.97E-2	4.97E-2	0	0	0	0	4.97E-2
ADP-mm	kg Sb eq	1.95E-4	1.95E-4	0	0	0	0	1.95E-4
ADP-f	МЈ	6.45E+1	6.45E+1	0	0	0	0	6.45E+1
WDP	m3 depriv.	4.16E+1	4.16E+1	0	0	0	0	4.16E+1
PM	disease inc.	9.28E-7	9.28E-7	0	0	0	0	9.28E-7
IR	kBq U-235 eq	1.92E-1	1.92E-1	0	0	0	0	1.92E-1
ETP-fw	CTUe	1.80E+2	1.80E+2	0	0	0	0	1.80E+2
HTP-c	CTUh	7.11E-9	7.11E-9	0	0	0	0	7.11E-9
HTP-nc	CTUh	1.94E-7	1.94E-7	0	0	0	0	1.94E-7
SQP	Pt	8.49E+0	8.49E+0	0	0	0	0	8.49E+0
Resource use	Unit	A3	A1-A3	C2	C3	C4	D	Total
PERE	MJ	4.07E+2	4.07E+2	0	0	0	0	4.07E+2
PERM	МЈ	0	0	0	0	0	0	0
PERT	МЈ	4.07E+2	4.07E+2	0	0	0	0	4.07E+2
PENRE	МЈ	6.85E+1	6.85E+1	0	0	0	0	6.85E+1
PENRM	МЈ	0	0	0	0	0	0	0
PENRT	MJ	6.85E+1	6.85E+1	0	0	0	0	6.85E+1
PET	МЈ	4.76E+2	4.76E+2	0	0	0	0	4.76E+2
SM	kg	0	0	0	0	0	0	0
RSF	МЈ	0	0	0	0	0	0	0
NRSF	МЈ	0	0	0	0	0	0	0
FW	m3	9.88E-1	9.88E-1	0	0	0	0	9.88E-1

Output flows and waste categories	Unit	A3	A1-A3	C2	C3	C4	D	Total
HWD	kg	9.83E-5	9.83E-5	0	0	0	0	9.83E-5
NHWD	kg	3.01E-1	3.01E-1	0	0	0	0	3.01E-1
RWD	kg	2.73E-4	2.73E-4	0	0	0	0	2.73E-4
CRU	kg	0	0	0	0	0	0	0
MFR	kg	0	0	0	0	0	0	0
MER	kg	0	0	0	0	0	0	0
EE	MJ	0	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0	0
EEE	МЈ	0	0	0	0	0	0	0



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