

Environmental Profile

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

Ecochain v4.3.1



Product: 3064834 - PE Pipe Cable Corr. YL 75 L=50 w/thread
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	3.568E+1	2.949E+0	1.086E+0	3.971E+1	4.627E-1	1.488E+1	2.531E-1	-2.372E+1	3.159E+1
GWP-f	kg CO2 eq	3.560E+1	2.947E+0	8.971E-1	3.944E+1	4.624E-1	1.487E+1	2.530E-1	-2.367E+1	3.136E+1
GWP-b	kg CO2 eq	6.443E-2	8.413E-4	8.491E-2	1.502E-1	1.772E-4	4.350E-3	1.520E-5	-4.072E-2	1.140E-1
GWP-luluc	kg CO2 eq	1.159E-2	1.741E-3	1.043E-1	1.176E-1	1.637E-4	2.572E-3	3.711E-6	-9.096E-3	1.113E-1
ODP	kg CFC11 eq	9.802E-7	6.096E-7	1.016E-7	1.691E-6	1.066E-7	3.349E-7	5.450E-9	-1.186E-6	9.524E-7
AP	mol H+ eq	1.312E-1	7.149E-2	7.598E-3	2.103E-1	2.634E-3	1.409E-2	1.302E-4	-7.128E-2	1.558E-1
EP-fw	kg P eq	6.400E-4	1.753E-5	1.656E-5	6.741E-4	3.805E-6	7.434E-5	1.701E-7	-4.811E-4	2.713E-4
EP-m	kg N eq	2.232E-2	1.813E-2	2.252E-3	4.270E-2	9.425E-4	4.096E-3	9.117E-5	-1.290E-2	3.494E-2
EP-T	mol N eq	2.528E-1	2.014E-1	2.471E-2	4.789E-1	1.039E-2	4.508E-2	5.279E-4	-1.427E-1	3.923E-1
POCP	kg NMVOC eq	1.193E-1	5.271E-2	6.863E-3	1.789E-1	2.969E-3	1.425E-2	2.064E-4	-7.876E-2	1.176E-1
ADP-mm	kg Sb eq	4.878E-4	3.823E-5	2.699E-5	5.530E-4	1.196E-5	5.580E-5	1.310E-7	-1.659E-4	4.550E-4
ADP-f	MJ	1.231E+3	3.976E+1	8.913E+0	1.280E+3	7.099E+0	4.461E+1	3.979E-1	-7.024E+2	6.294E+2
WDP	m3 depriv.	2.814E+1	8.714E-2	5.744E+0	3.397E+1	2.178E-2	8.748E-1	2.107E-3	-1.967E+1	1.521E+1
PM	disease inc.	1.107E-6	1.444E-7	1.282E-7	1.379E-6	4.174E-8	2.318E-7	2.733E-9	-5.280E-7	1.127E-6
IR	kBq U-235 eq	8.606E-1	1.692E-1	2.651E-2	1.056E+0	3.103E-2	1.345E-1	1.850E-3	-6.868E-1	5.368E-1
ETP-fw	CTUe	2.283E+2	2.901E+1	2.485E+1	2.822E+2	5.764E+0	5.077E+1	3.499E-1	-1.264E+2	2.127E+2
HTP-c	CTUh	1.333E-8	1.551E-9	9.816E-10	1.586E-8	2.051E-10	6.098E-9	9.759E-12	-1.086E-8	1.132E-8
HTP-nc	CTUh	2.675E-7	2.678E-8	2.676E-8	3.210E-7	6.872E-9	7.632E-8	2.233E-10	-1.394E-7	2.650E-7
SQP	Pt	5.027E+1	1.544E+1	1.172E+0	6.689E+1	6.073E+0	3.569E+1	1.019E+0	-2.989E+1	7.979E+1
Resource use	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
PERE	MJ	2.166E+1	3.473E-1	5.622E+1	7.823E+1	1.018E-1	2.206E+0	1.556E-2	-1.636E+1	6.420E+1
PERM	MJ	0	0	0	0	0	0	0	0	0
PERT	MJ	2.166E+1	3.473E-1	5.622E+1	7.823E+1	1.018E-1	2.206E+0	1.556E-2	-1.636E+1	6.420E+1
PENRE	MJ	1.321E+3	4.221E+1	9.466E+0	1.373E+3	7.536E+0	4.753E+1	4.222E-1	-7.567E+2	6.714E+2
PENRM	MJ	0	0	0	0	0	0	0	0	0
PENRT	MJ	1.321E+3	4.221E+1	9.466E+0	1.373E+3	7.536E+0	4.753E+1	4.222E-1	-7.567E+2	6.714E+2
PET	MJ	1.343E+3	4.256E+1	6.568E+1	1.451E+3	7.638E+0	4.973E+1	4.377E-1	-7.730E+2	7.356E+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	4.318E-1	3.028E-3	1.365E-1	5.713E-1	8.033E-4	2.574E-2	4.905E-4	-2.823E-1	3.160E-1

Output flows and waste categories	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
HWD	kg	2.033E-4	5.859E-5	1.357E-5	2.755E-4	1.815E-5	7.279E-5	4.799E-7	-2.067E-4	1.602E-4
NHWD	kg	1.526E+0	9.323E-1	4.160E-2	2.500E+0	4.400E-1	2.191E+0	1.759E+0	-1.131E+0	5.759E+0
RWD	kg	7.711E-4	2.712E-4	3.772E-5	1.080E-3	4.827E-5	1.704E-4	2.600E-6	-5.896E-4	7.117E-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	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