

Environmental Profile

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

Ecochain v4.3.1



Product: 3064591 - PE Flex. Bend BK 75 L=1 S/PL SRN DKF
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	1.020E+0	6.936E-2	2.832E-2	1.118E+0	8.323E-3	2.713E-1	4.597E-3	-4.304E-1	9.714E-1	
GWP-f	kg CO2 eq	1.013E+0	6.930E-2	2.339E-2	1.105E+0	8.317E-3	2.711E-1	4.597E-3	-4.295E-1	9.597E-1	
GWP-b	kg CO2 eq	4.206E-3	1.991E-5	2.214E-3	6.439E-3	3.187E-6	8.047E-5	2.809E-7	-7.139E-4	5.809E-3	
GWP-luluc	kg CO2 eq	3.173E-3	4.062E-5	2.719E-3	5.933E-3	2.944E-6	4.712E-5	6.749E-8	-1.533E-4	5.830E-3	
ODP	kg CFC11 eq	3.234E-8	1.436E-8	2.649E-9	4.935E-8	1.917E-9	6.193E-9	9.840E-11	-2.214E-8	3.542E-8	
AP	mol H+ eq	3.925E-3	1.655E-3	1.981E-4	5.778E-3	4.738E-5	2.604E-4	2.354E-6	-1.277E-3	4.812E-3	
EP-fw	kg P eq	2.356E-5	4.183E-7	4.316E-7	2.441E-5	6.845E-8	1.367E-6	3.089E-9	-8.694E-6	1.715E-5	
EP-m	kg N eq	6.622E-4	4.204E-4	5.871E-5	1.141E-3	1.695E-5	7.568E-5	1.648E-6	-2.318E-4	1.004E-3	
EP-T	mol N eq	7.495E-3	4.670E-3	6.441E-4	1.281E-2	1.868E-4	8.332E-4	9.541E-6	-2.564E-3	1.127E-2	
POCP	kg NMVOC eq	3.617E-3	1.223E-3	1.789E-4	5.019E-3	5.341E-5	2.628E-4	3.736E-6	-1.444E-3	3.895E-3	
ADP-mm	kg Sb eq	1.405E-5	9.169E-7	7.038E-7	1.567E-5	2.152E-7	1.034E-6	2.373E-9	-2.790E-6	1.413E-5	
ADP-f	MJ	3.324E+1	9.374E-1	2.324E-1	3.441E+1	1.277E-1	8.191E-1	7.190E-3	-1.271E+1	2.266E+1	
WDP	m3 depriv.	9.976E-1	2.085E-3	1.497E-1	1.149E+0	3.918E-4	1.596E-2	3.772E-5	-3.587E-1	8.072E-1	
PM	disease inc.	3.195E-8	3.455E-9	3.342E-9	3.875E-8	7.508E-10	4.273E-9	4.940E-11	-9.416E-9	3.440E-8	
IR	kBq U-235 eq	3.106E-2	3.988E-3	6.910E-4	3.574E-2	5.581E-4	2.481E-3	3.342E-5	-1.204E-2	2.678E-2	
ETP-fw	CTUe	8.094E+0	6.874E-1	6.479E-1	9.429E+0	1.037E-1	9.384E-1	6.332E-3	-2.316E+0	8.161E+0	
HTP-c	CTUh	4.592E-10	3.634E-11	2.559E-11	5.212E-10	3.690E-12	1.124E-10	1.781E-13	-8.300E-11	5.544E-10	
HTP-nc	CTUh	9.183E-9	6.380E-10	6.976E-10	1.052E-8	1.236E-10	1.409E-9	4.048E-12	-6.704E-10	1.138E-8	
SQP	Pt	1.885E+0	3.745E-1	3.055E-2	2.290E+0	1.092E-1	6.587E-1	1.843E-2	-5.147E-1	2.562E+0	
Resource use		Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
PERE		MJ	2.250E+0	8.271E-3	1.466E+0	3.724E+0	1.832E-3	4.060E-2	2.818E-4	-2.738E-1	3.493E+0
PERM		MJ	0	0	0	0	0	0	0	0	0
PERT		MJ	2.250E+0	8.271E-3	1.466E+0	3.724E+0	1.832E-3	4.060E-2	2.818E-4	-2.738E-1	3.493E+0
PENRE		MJ	3.564E+1	9.952E-1	2.468E-1	3.689E+1	1.356E-1	8.726E-1	7.628E-3	-1.369E+1	2.421E+1
PENRM		MJ	0	0	0	0	0	0	0	0	0
PENRT		MJ	3.564E+1	9.952E-1	2.468E-1	3.689E+1	1.356E-1	8.726E-1	7.628E-3	-1.369E+1	2.421E+1
PET		MJ	3.789E+1	1.004E+0	1.712E+0	4.061E+1	1.374E-1	9.132E-1	7.910E-3	-1.396E+1	2.771E+1
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	1.669E-2	7.239E-5	3.558E-3	2.032E-2	1.445E-5	4.703E-4	8.864E-6	-5.111E-3	1.570E-2

Output flows and waste categories	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
HWD	kg	8.025E-6	1.404E-6	3.539E-7	9.784E-6	3.265E-7	1.346E-6	8.672E-9	-4.545E-6	6.919E-6
NHWD	kg	4.963E-2	2.285E-2	1.085E-3	7.356E-2	7.914E-3	4.038E-2	3.163E-2	-1.313E-2	1.404E-1
RWD	kg	2.705E-5	6.389E-6	9.833E-7	3.442E-5	8.683E-7	3.148E-6	4.695E-8	-1.038E-5	2.811E-5
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	4.723E-8	0	0	4.723E-8	0	0	0	0	4.723E-8



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