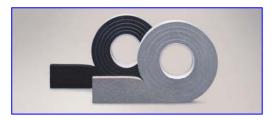
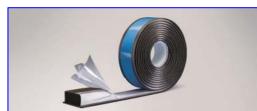
Environmental Product Declaration (EPD)

Short Version

Declaration code: EPD-BÄ-GB-3.1









ISO Chemie GmbH

Sealing tapes

made of polyurethane and polyethylene





Basic principles:

DIN EN ISO 14025 EN15804

Company -EPD
Environmental
Product Declaration

Date of issue: 23.12.2016

Next revision: 23.12.2021



www.ift-rosenheim.de/ erstellte-epds





Environmental Product Declaration (EPD)

Short Version



Declaration code: EPD-BÄ-GB-3.1

Program operator	ift Rosenheim GmbH Theodor-Gietl-Straße 7-9 83026 Rosenheim											
LCA specialist	ift Rosenheim GmbH Theodor-Gietl-Straße 7-9 83026 Rosenheim											
Declaration holder	Fa. ISO-Chemie GmbH Röntgenstraße 12 73431 Aalen											
Declaration code	EPD-BÄ-GB-3.1											
Designation of the declared product	Sealing tapes made of polyurethane and polyethylene											
scope	Sealaing tapes for professional sealing of the connection joint between components, such as windows / doors / facades / lightweight constructions / WDVS etc.											
basis	This EPD has been developed on the basis of EN ISO 14025: 2011 and EN 15804:2012+A1:2013. In addition, the general guide for the preparation of Type III environmental product declarations applies. The declaration is based on the PCR document "Baukörperanschluss" – PCR-BA-1.1:2013											
validity	Date of issue: 23.12.2016	Last revision: 23.12.2016	Next revision: 23.12.2021									
	This verified company Environmental Product Declaration applies solely to the specified products and is valid for a period of 5 years from the date of issue according to EN 15804.											
Lca basis	The LCA was prepared in accordance with EN ISO 14040 and EN ISO 14044. The base data include both data collected at Fa. ISO-Chemie GmbH and generic data from the "GaBi ts" database. The Life Cycle Assessment was calculated through the life cycle "cradle to gate with options" taking into account all upstream chains such as raw material exploitation											
Notes on publication	The "Conditions and Guidance on the Use of ift Test Documents" apply. The declaration holder assumes full liability for the underlying data, certificates and verifications.											
Mr it formany		F. Strick										

Prof. Ulrich Sieberath Director of Institute

Florian Stich

Note: Further information can be found in the long version.





EPD sealing tapes made of polyurethane and polyethylene

Declaration code: EPD-BÄ-GB-3.1

Short version: 23.12.2016

product group: gasket systems



Results per rm sealing tapes made of PU and PE (Part 1)																
Environmental impcats	Unit	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	В7	C1	C2	СЗ	C4	D*)
Global warming potential (GWP)	kg CO₂-Äqv.	0,156	5,40E-04	0	-	0	0	0	0	0	0	4,71E-04	7,83E-05	0,0581	0,0587	-0,506
Ozone depletion potential (ODP)	kg R11-Äqv.	3,38E-09	3,90E-15	0	-	0	0	0	0	0	0	3,34E-13	5,66E-16	4,13E-11	1,22E-13	-1,09E-10
Acidification potential of soil and water (AP)	kg SO₂-Äqv.	5,49E-04	2,35E-06	0	-	0	0	0	0	0	0	1,31E-06	3,42E-07	1,62E-04	4,27E-06	-5,58E-04
Eutrophication potential (EP)	kg PO ₄ ³Äqv.	8,03E-05	5,77E-07	0	-	0	0	0	0	0	0	1,17E-07	8,38E-08	1,45E-05	8,61E-07	-7,14E-05
Photochemical ozone creation potential (POCP)	kg C₂H₄-Äqv.	7,43E-05	-7,97E-07	0	-	0	0	0	0	0	0	9,03E-08	-1,16E-07	1,12E-05	5,30E-07	-4,72E-05
Abiotic depletion potential - non-fossil resources (ADP - elements)	kg Sb-Äqv.	2,70E-07	4,03E-11	0	-	0	0	0	0	0	0	1,52E-10	5,85E-12	1,88E-08	3,37E-10	-1,54E-07
Abiotic depletion potential - fossil resources	MJ	2,96	7,42E-03	0	-	0	0	0	0	0	0	5,10E-03	1,08E-03	0,63	7,10E-03	-3,24
Use of ressources	Unit	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	В7	C1	C2	C3	C4	D*)
Use of renewable primary energy - excluding re- newable primary energy resources used as raw materials	MJ	0,166	-	0	-	0	0	0	0	0	0	-	-	-	-	
Use of renewable primary energy resources used as raw materials (material use)	MJ	0	-	0	-	0	0	0	0	0	0	-	-	-	-	-
Total use of renewable primary energy resources (primary energy and renewable primary energy resources used as raw materials) (energy + material use)	MJ	0,166	4,28E-04	0	-	0	0	0	0	0	0	2,30E-03	6,22E-05	0,284	1,05E-03	-0,777
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials.	MJ	3,31	-	0	-	0	0	0	0	0	0	-	-	-	-	-
Use of non-renewable primary energy resources used as raw materials (material use)	MJ	0,748	-	0	-	0	0	0	0	0	0	-	-	-	-	-
Total use of non-renewable primary energy resources (primary energy and non-renewable primary energy resources used as raw materials) (energy + material use)	MJ	3,31	7,46E-03	0	-	0	0	0	0	0	0	8,20E-03	1,08E-03	1,01	8,32E-03	-4,27
Use of secondary materials	kg	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0

EPD sealing tapes made of polyurethane and polyethylene

Declaration code: EPD-BÄ-GB-3.1

Short version: 23.12.2016

product group: gasket systems



Results per rm sealing tapes made of PU and PE (Part 2)																
Use of ressources	Unit	A1-A3	A4	A 5	B1	B2	В3	B4	B5	В6	В7	C1	C2	C3	C4	D*)
Use of renewable secondary fuels	MJ	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
Use of non-renewable secondary fuels	MJ	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
Use of net fresh water	m ³	2,08E-03	1,06E-06	0	-	0	0	0	0	0	0	3,54E-06	1,54E-07	4,38E-04	1,27E-04	-0,0019
Waste categories	Unit	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	В7	C1	C2	C3	C4	D*)
Hazardous waste disposed	kg	2,97E-10	5,59E-10	0	-	0	0	0	0	0	0	5,21E-12	8,11E-11	6,43E-10	3,20E-11	-3,10E-09
Non-hazardous waste disposed (municipal waste)	kg	7,18E-04	6,43E-07	0	-	0	0	0	0	0	0	4,95E-06	9,33E-08	6,12E-04	5,37E-03	-0,0297
Radioactive waste	kg	4,32E-05	1,60E-08	0	-	0	0	0	0	0	0	1,24E-06	2,32E-09	1,53E-04	4,83E-07	-4,09E-04
Output material flows	Unit	A1-A3	A4	A5	B1	B2	В3	B4	B5	В6	В7	C1	C2	C3	C4	D*)
Components for re-use	kg	0	0	0	-	0	0	0	0	0	0	0	0	0	0	-
Materials for recycling	kg	0	0	0	-	0	0	0	0	0	0	0	0	0,0125	0	-
Materials for energy recovery	kg	0	0	0	-	0	0	0	0	0	0	0	0	0	0	-
Exported energy (electricity)	MJ	0	0	0	-	0	0	0	0	0	0	0	0	0	0	-
Exported energy (thermal energy)	MJ	0	0	0	-	0	0	0	0	0	0	0	0	0 operating	0	-

^{*)} The figures of module D include the onetime application during operating life of module B4.

Imprint

LCA preperation by

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Programme operator

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declaration holder

Fa. ISO-Chemie GmbH Röntgenstraße 12 73431 Aalen

notes

This EPD is mainly based on the work and findings of the Institut für Fenstertechnik e.V., Rosenheim (ift Rosenheim) and specifically on the ift-Guideline NA.01/1 – Guidance on the Preparation of Type III Environmental Product Declarations.

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