

BIW Isolierstoffe GmbH

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Certified management system by:

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001
- IIP (Investors in People)



TECHNICAL DATASHEET

INDUSTRIES AND APPLICATIONS



ISOTEX T

Typical uses

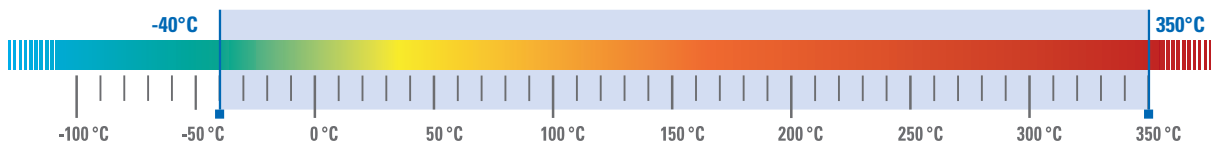
- Automotive industry
- E-mobility / hybrid
- Cable manufacture
- Line protection

Key properties

- Long-term heat resistance of -40°C to +350°C
- Short-term heat resistance up to +450°C
- Free of coatings and impregnation substances
- Good resistance to impregnating varnishes, impregnating resins, solvents, acids, alkalis, resin systems, etc.
- No defined dielectric strength
- Flexible and tensible
- High tear resistance
- Clatter protection
- Nominal diameter 0,5 mm to 40,0 mm



Application temperature



Product description

The ISOTEX T consists of thermally highly resilient textile fibreglass (E- glass) and is thermally treated. The protective hose is designed for the highest thermal loadings. The protective function remains largely intact even in the case of a partial thermal overloading due to the excellent temperature properties of the textile glass hose. The ISOTEX T is designed as a protective hose without a defined breakdown voltage.

Application properties

Property	Standard	Test requirements	Result
Flame resistance	FMVSS 302 LV 312-3	Flame height 38 mm Flame exposure 15s	non-flammable

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Mechanical / physical properties

Property	Standard	Test requirements	Result
Abrasion resistance	LV 312-3	Test at room temperature	Classification A

Ecology, Environment & Safety

Ingredients compliant with VDA requirements

IMDS listed

RoHS, GADSL compliant

Non-asbestos, textile glass fibres non-carcinogenic, non-hazardous to the environment, non-hazardous to water

The sleeve requires compliance with the industrial hygiene. Workplace ventilation has to be turned away from the worker, sensitive individuals may get slight skin irritation

When using and disposing the ISOTEX T protective sleeve there are no environmentally relevant by-products expected.

BIW-Standard dimensions

ISOTEX T (Code: GTB)

On demand individual dimensions available at any time

ID [mm]	Tol. ID [mm]	Wd [mm]	Tol. Wd [mm]	Ring [m]
0.5	±0.20	0.30	+0.30	200
1.0	±0.20	0.60	±0.30	200
2.0	±0.20	0.60	±0.30	200
3.0	±0.30	0.60	±0.30	200
4.0	±0.30	0.60	±0.30	200
5.0	±0.30	0.60	±0.30	200
6.0	±0.30	0.60	±0.30	100
7.0	±0.30	0.60	±0.30	100
8.0	±0.30	0.60	±0.30	100
9.0	±0.30	0.60	±0.30	100
10.0	±0.50	0.80	±0.30	100
11.0	±0.50	0.80	±0.30	100
12.0	±0.50	0.80	±0.30	100
13.0	±0.50	0.80	±0.30	100
14.0	±0.50	0.80	±0.30	100
15.0	±0.50	0.80	±0.30	100

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**ISOTEX T****BIW-Standard dimensions****ISOTEX T (Code: GTB)**

On demand individual dimensions available at any time

ID [mm]	Tol. ID [mm]	Wd [mm]	Tol. Wd [mm]	Ring [m]
16.0	±0.70	0.80	±0.30	100
17.0	±0.70	0.80	±0.30	100
18.0	±0.70	0.80	±0.30	100
19.0	±0.70	0.80	±0.30	100
20.0	±0.70	1.20	±0.40	50
21.0	±1.0	1.20	±0.40	50
22.0	±1.0	1.20	±0.40	50
23.0	±1.0	1.20	±0.40	50
24.0	±1.0	1.20	±0.40	50
25.0	±1.0	1.20	±0.40	50
26.0	±1.2	1.20	±0.40	50
27.0	±1.2	1.20	±0.40	50
28.0	±1.2	1.20	±0.40	50
29.0	±1.2	1.20	±0.40	50
30.0	±1.2	1.20	±0.50	50
31.0	±1.5	1.20	±0.50	50
32.0	±1.5	1.20	±0.50	50
33.0	±1.5	1.20	±0.50	50
34.0	±1.5	1.20	±0.50	50
35.0	±1.5	1.20	±0.50	50
36.0	±1.5	1.20	±0.50	50
37.0	±1.5	1.20	±0.50	50
38.0	±1.5	1.20	±0.50	50
39.0	±1.5	1.20	±0.50	50
40.0	±1.5	2.0	±0.50	50