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Certified management system by:

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



PRODUCT INFO

INDUSTRIES AND APPLICATIONS



THERBAFLEX LFP reverse

Typical uses

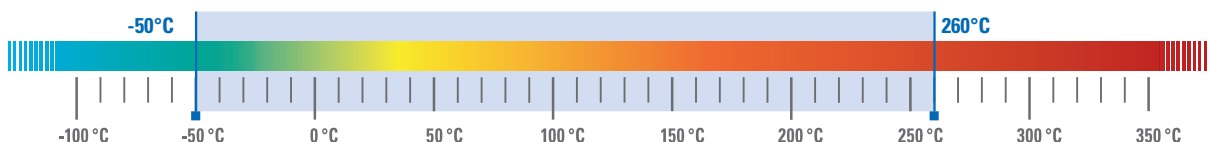
- Iron and steel works
- Electrical insulation
- Glass industry
- Line protection
- Machinery and plant engineering
- Metal foundries
- Welding and cutting technology

Key properties

- Temperature resistance of -50°C to +260°C
- Short-term heat resistance up to +300°C
- Good protection against short-term partial overheating, like metal splash (up to 1600°C)
- Non-flammable, heat resistant and environmentally friendly basalt fibre - reverse knit as a substrate
- Self-extinguishing according to UL 1441 -VW1 (self-assessment)
- Thick walled, thermally insulated
- Excellent resistance to water, water-glycol mixture, salt spray as well as to fuels and lubricants during temporary exposure
- Very smooth hose inner surfaces (assembly-friendly) using a reverse knitting process
- High mechanical protection
- Halogen-free flame protection
- Free of plasticisers and heavy metals
- Good flexibility and stretchability
- Good compressibility
- Good abrasion resistance
- Very good cost-performance ratio thanks to rational knitting procedure
- Colour: redbrown, black
- Nominal diameter of 10,0 mm to 20,0 mm possible



Application temperature



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PAGE 1 OF 3

All information shown in this data sheet is based on our testing and experience and is to the best of our knowledge. It represents an accurate presentation of the product. The data are typical values and are not to be used as the end use specification. It is the customers' responsibility to test the suitability of the material for their application. Any recommendations for use are for guidance only and are offered without warranty or guarantee. Subject to change without notice.

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THERBAFLEX LFP reverse

Product description

THERBAFLEX LFP reverse was developed as a heat-resistant and extremely easy-to-install product for FIRE PROTECTION applications. THERBAFLEX LFP reverse is a fire protection hose that consists of a non-flammable reverse knit made of basalt fibre and a thick-walled coating of a special LSR silicone. The modified silicone coating of THERBAFLEX LFP reverse has been provided with special additives to ensure outstanding fire protection and high thermal stabilization. The basalt fibre is extracted from a natural rock (lava rock) and produced in an environmentally friendly production process with low CO₂ emissions into the atmosphere. THERBAFLEX LFP reverse is exceptionally well-suited for thermal and electrical insulation and for mechanical protection of lines of all types (hydraulic lines, cooling hoses, cables, etc.). Partial overheating, such as metal spatter (up to 1600°C, peak) may briefly occur, but there is no melting or dripping. The coating may become partially damaged in the process. The reverse knit gives the hose an extremely smooth inner surface, which allows wires, cables or other elements to be protected to be pushed through THERBAFLEX LFP reverse very easily. The main applications of THERBAFLEX LFP reverse are metal foundries, welding and burning operations, glass industry, and iron and steel production. Undamaged, i.e. crack-free surfaces, ensure high dielectric strength. THERBAFLEX LFP reverse is distinguished by a good to very good resistance to the different media, such as oils, greases, diluted acids and lyes as well as UV and ionizing radiation. THERBAFLEX LFP reverse is free of plasticisers, heavy metals and flame retardants containing halogen.

Application properties

Property	Standard	Test requirements	Result
Flame resistance	based on UL 1441 VW1	Sample length 350mm Flame treatment 5x15 sec. Flame 20° inclination	self-extinguishing

Ecology, Environment & Safety

Ingredients compliant with VDA - requirements

IMDS listed

RoHS, GADSL compliant

Non-asbestos, basalt faser non-carcinogenic, non hazardous to the environment, not hazardous to water

In use and disposal of the FIRE PROTECTIVE SLEEVE THERBAFLEX LFP reverse there are no environmentally relevant co-products expected.

BIW-Standard dimensions

THERBAFLEX LFP reverse

On demand individual dimensions available at any time

ID [mm]	Tol. ID [mm]	Wd [mm]	Tol. Wd [mm]	Ring [m]
10.0	±0.80	2.00	±0.40	50
12.0	±0.80	2.70	±0.40	50
13.0	±0.80	2.70	±0.40	25
14.0	±0.80	2.70	±0.40	25
16.0	±1.0	2.70	±0.40	25
18.0	±1.0	2.70	±0.40	25

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BIW-Standard dimensions

THERBAFLEX LFP reverse

On demand individual dimensions available at any time

ID [mm]	Tol. ID [mm]	Wd [mm]	Tol. Wd [mm]	Ring [m]
19.0	±1.0	2.70	±0.40	25
20.0	±1.0	3.50	±0.40	25