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Certified management system by:

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



PRODUCT INFO

INDUSTRIES AND APPLICATIONS



THERBAFLEX L reverse

Typical uses

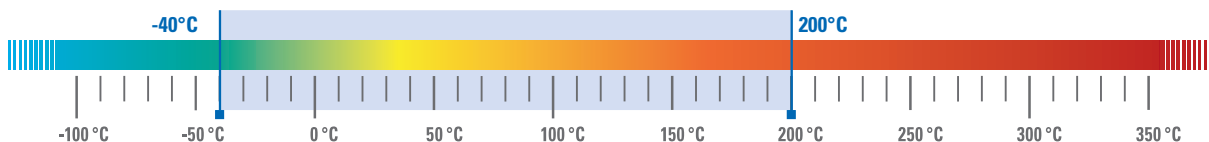
- Automotive industry
- Crash protection
- E-mobility / hybrid
- Electrical insulation
- Cable manufacture
- Line protection

Key properties

- Long-term heat resistance of -40°C to +180°C
- Short-term heat resistance up to +205°C
- High temperature resistance and environmentally friendly basaltfibre - reverse knitted fabric
- Temperature resistance of the basalt fibre up to +700°C
- Good protection against short-term partial overheating
- Good arc resistance
- Very smooth hose inner surfaces (assembly-friendly) using a reverse knit process
- Good resistance to fuels and lubricants during temporary exposure
- High abrasion resistance
- Thick walled, thermally insulated
- Horizontal self-extinguishing
- Halogen-free flame protection
- Free of plasticisers and heavy metals
- High radial elasticity
- High flexibility
- Very good cost-performance ration thanks to rational knitting procedure
- Physiologically harmless
- Huge variety of colours
- Nominal diameter of 10.0 mm to 20.0 mm possible



Application temperature



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THEBFAFLEX L reverse

Product description

The THERBAFLEX L reverse insulation hose is a protective hose made of an environmentally friendly basalt fibre reverse knit with high temperature resistance and with a thick-walled coating made of a specific LSR silicone.

The basalt fibre is extracted from a natural rock and produced in an environmentally friendly production process with low CO2 emissions into the atmosphere. The modified silicone coating of THERBAFLEX L reverse has been provided with special additives to ensure outstanding fire protection and high thermal stabilisation. THERBAFLEX L 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.). Due to its very good stability and kinking resistance, the THERBAFLEX L protective hose is suited for the production of longer cable sets and as protection for hose lines. The softening point of the thick-walled inner hose made of basalt fibres is at approximately 1050°C. The basalt fibre reverse knit is suitable for a working temperature of up to approximately 700°C. The melting point of the basalt fibre is at approximately 1400°C. 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 the THERBAFLEX L reverse very easily. The main applications of THERBAFLEX L reverse are in the field of high-temperature applications and, because of the environmentally friendly materials, in the automotive industry. THERBAFLEX L reverse also distinguishes itself as a crash-protection hose, for example, in e-mobility. THERBAFLEX L reverse is distinguished by a good to very good resistance to a wide variety of media, such as oils, greases, diluted acids and lyes as well as UV and ionising radiation. THERBAFLEX L reverse is free of plasticisers, heavy metals and flame retardants containing halogen.

Ecology, Environment & Safety

Ingredients compliant with VDA - requirements

IMDS listed

RoHS, GADSL compliant

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

In use and disposal of the THERBAFLEX L reverse there are no environmentally relevant co-products expected.

BIW-Standard dimensions

THERBAFLEX L reverse (Code: BRR)

On demand individual colours and dimensions available at any time

ID [mm]	Tol. ID [mm]	Wd [mm]	Tol. Wd [mm]	Ring [m]
10.0	±1.5	2.50	±0.70	25
12.0	±1.5	2.50	±0.70	25
14.0	±1.5	2.50	±0.70	25
16.0	±1.5	2.50	±0.70	25
18.0	±1.5	2.50	±0.70	25
20.0	±1.5	2.50	±0.70	25