Insulationsleeve

FITCO® Iso-SIL-Insulationsleeve

Fabricless insulating hose made of silicone rubber.

The insulating hose is talc-coated on the outside. On request it can also be talc-coated on the inside from an inside diameter of 4 mm. It can be supplied annealed or unannealed. Due to its excellent thermal and dielectric properties, as well as its high weathering, ozone and UV resistance, it has a wide range of applications.

Operating temperature: - 60°C to + 200°C
(Special version up to + 250°C)

Standard color: Clear
Colors on request

Approvals: According to 60684-3

Description	Inner diameter (mm)	Tolerance ID (mm)
FITCO® Iso-SIL 0.3	0.3	+ 0.10 / - 0.05
FITCO® Iso-SIL 0.5	0.5	+ 0.15 / - 0.10
FITCO® Iso-SIL 0.8	0.8	+ 0.15 / - 0.10
FITCO® Iso-SIL 1.0	1.0	+ 0.20 / - 0.15
FITCO® Iso-SIL 1.5	1.5	+ 0.20 / - 0.15
FITCO® Iso-SIL 2.0	2.0	+ 0.20 / - 0.15
FITCO® Iso-SIL 2.5	2.5	+ 0.20 / - 0.20
FITCO® Iso-SIL 3.0	3.0	+0.20 / -0.20
FITCO® Iso-SIL 4.0	4.0	+0.20 / -0.20
FITCO® Iso-SIL 5.0	5.0	+0.20 / -0.20
FITCO® Iso-SIL 6.0	6.0	+0.25 / -0.25
FITCO® Iso-SIL 7.0	7.0	+0.25 / -0.25
FITCO® Iso-SIL 8.0	8.0	+0.25 / -0.25
FITCO® Iso-SIL 10	10	+0.25 / -0.25
FITCO® Iso-SIL 12	12	+0.25 / -0.25
FITCO® Iso-SIL 16	16	+0.50 / -0.50
FITCO® Iso-SIL 20	20	+0.50 / -0.50
FITCO® Iso-SIL 25	25	+0.50 / -0.50
FITCO® Iso-SIL 30	30	+0.50 / -0.50

Examplarily Wall thickness (mm)	Tolerance Wall thickness (mm)
0.20	+ 0.15 / - 0.15
0.40	+ 0.15 / - 0.15
0.50	+ 0.15 / - 0.15
0.70	+ 0.15 / - 0.15
1.0	+ 0.15 / - 0.15
1.5	+ 0.20 / - 0.20
2.0	+ 0.20 / - 0.20

*Other sizesor wall thicknesses on request

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Packaging: Endless in rings
Cut, tempered or printed tubing on request

Properties	Test Method	Typical Value
Mechanical		
Tensile strength	DIN EN 60684	11 MPa (min. 5.5 MPa)
Ultimate elongation	DIN EN 60684	Min. 200 %
Thermal		
Bendability after heat storage and at low temperature	DIN EN 60684	Pass
Flammability	DIN EN 60684 Procedure A	Max. 60s (self-extinguishing)
Thermal class	-	H
Electrical		
Dielectric strength	DIN EN 60684	Per 0.1 mm approx. 1 kV
Volume resistance	DIN EN 60684	Min. 10^{11} M*Ω

Key Benefits:

- Cadmium and plasticizer free
- Very high thermal properties
- Excellent cold stability
- Excellent dielectric properties
- Very high weathering, ozone and UV resistance
- Physiological indifference
- Strong, bright colors