

Silicone rubber - Insulationsleeve

FITCOFLEX®-SIL

Fabricless insulating hose made of silicone rubber.

The insulating hose has excellent thermal, dielectric and physiological properties. It is talcuminized on the outside and from an inner diameter of 4mm also talcuminized on the inside on request.

It is used in numerous applications.

Operating temperature: - 60°C to + 200°C
Special design up to + 250°C

Standard color: Clear
Other colors on request

Description	Inner diameter (mm)		Wall thickness (mm)	
	Nominal size	Limit dimensions	Nominal size	Limit dimensions
FITCOFLEX-SIL 0,3	0.3	+0.10 / -0.05	0.20	+0.15 / -0.05
FITCOFLEX-SIL 0,5	0.5	+0.15 / -0.10	0.40	+0.15 / -0.05
FITCOFLEX-SIL 0,8	0.8	+0.15 / -0.10	0.50	+0.15 / -0.05
FITCOFLEX-SIL 1,0	1.0	+0.20 / -0.15	0.70	+0.15 / -0.05
FITCOFLEX-SIL 1,5	1.5	+0.20 / -0.15	1.0	+0.15 / -0.05
FITCOFLEX-SIL 2,0	2.0	+0.20 / -0.15	1.5	+0.20 / -0.20
FITCOFLEX-SIL 2,5	2.5	+0.20 / -0.20	2.0	+0.20 / -0.20
FITCOFLEX-SIL 3,0	3.0	+0.20 / -0.20		
FITCOFLEX-SIL 4,0	4.0	+0.20 / -0.20		
FITCOFLEX-SIL 5,0	5.0	+0.20 / -0.20		
FITCOFLEX-SIL 6,0	6.0	+0.25 / -0.25		
FITCOFLEX-SIL 8,0	8.0	+0.25 / -0.25		
FITCOFLEX-SIL 10	10	+0.25 / -0.25		
FITCOFLEX-SIL 12	12	+0.25 / -0.25		
FITCOFLEX-SIL 16	16	+0.50 / -0.50		
FITCOFLEX-SIL 20	20	+0.50 / -0.50		
FITCOFLEX-SIL 25	25	+0.50 / -0.50		
FITCOFLEX-SIL 30	30	+0.50 / -0.50		

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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	500% (Min. 200%)
Thermal		
Thermal class	-	H
Flexibility after heat storage and low temperature	DIN EN 60684	Pass
Flammability	DIN EN 60684 Verfahren A	Max. 60s
Self-extinguishing	UL 94 HB conform	-
Electrical		
Breakdown voltage	DIN EN 60684	Depending on the wall thickness (per 0.1 mm approx. 1 kV)
Specific volume resistance at room temperature	DIN EN 60684	Min. 10 ¹¹ MΩ

Key Benefits:

- Cadmium and plasticizer free
- Excellent dielectric properties
- Physiological indifference
- High resistance to weathering, ozone and UV
- Strong, bright colors