

SILITUBE® SI50

Silicone tube
50 Shore A / 180°C
Food grade translucent



Description

Peroxide-cured silicone elastomer extruded tube

Applications

Unpressurised transport of food grade liquids, alcohols, acids
 Peristaltic pumps, doser pumps

Fields

Medical, pharmaceutical, agriculture, laboratory, cosmetics

General characteristics

- Extra flexible and elastic
- Food grade
- Can be sterilised in autoclave
- Resistant to high temperatures
- Good resistance to aggressive fluids, alcohols and acids
- Excellent weather resistance, UV
- Water-repellent
- Chemically inert and biologically neutral
- Good resistance to dynamic fatigue
- Low deformation under compression and traction

Technical data

- Standard: * FDA-approved material: 21 CFR 177.2600, European regulation 1935/2004, European pharmacopeia section 3.1/9
- Temperature of use: **-60 to +180°C**
- Nominal hardness: **50 Shore A** as per DIN 53505
- Nominal density: 1.14 as per ISO 1183
- Tensile strength: >12 Mpa as per DIN 53504 S1
- Elongation at break: >700 % as per DIN 53504 S1
- Standard colour: translucent
- Peak temperature: **+200°C**
- Recommended connection: nipple with lug clamp or band clamp

Nominal internal diameter (mm)	Nominal outside diameter (mm)	Nominal thickness (mm)	Nominal linear weight (g/m)	Standard packaging Roll (m)
1	3	1	7	100
2	4	1	11	100
2	6	2	29	100
3	5	1	14	100
3	6	1,5	24	100
4	6	1	18	50
4	7	1,5	30	50
4	8	2	43	50
5	8	1,5	35	50
5	10	2,5	67	50
5	15	5	179	50
6	9	1,5	40	50
6	10	2	57	50
6	12	3	97	25
6	18	6	258	25
7	10	1,5	46	50
7	11	2	65	50
7	13	3	107	50
8	12	2	72	50
8	14	3	118	50
8	16	4	172	25
9	12	1,5	56	50
10	14	2	86	50
10	16	3	140	25
10	18	4	201	25
12	16	2	100	50
12	17	2,5	130	50
15	21	3	193	25
16	22	3	204	25
18	24	3	226	25
20	27	3,5	295	25
22	29	3,5	320	25
25	32	3,5	357	25

Standard tolerances: refer to pages 115 to 118.

Options (contact us)

- Other diameters
- Other solid colours
- Cut to lengths
- Other packaging
- Braided versions



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To ensure optimal use of our products, we recommend full tests in real-life situations.

To this end, our sales department is on hand to supply samples and/or to examine the conditions of comprehensive testing in our laboratories.

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