

SR

SR silicone rubber sleeving is a highly elastic, flexible, high and low temperature resistant tubing with excellent ageing characteristics. Bore sizes 0.5mm to 25mm with a 0.5mm wall thickness and a wide variety of colours including neon and metallic are standard. Bespoke diameters, wall thicknesses, colours and different curings also available as are [cutting](#) and [printing](#) services.

Silicone rubber hose is available with bores of 0.2mm up to 200mm. It is extremely useful for cable harnessing because of its high elasticity and flexibility. Micro bore sizes are commonly used on electrical applications, mid-range sizes for liquids and powders in the food processing and pharmaceutical sectors, and the largest sizes for dielectric tubing and hot air ducting. Silicone rubber is valued for its strength, hygienic properties, longevity of life, flexibility and translucency (where applicable). We can supply Water Council and Food and Drug Administration (FDA) approved materials for use specifically within hygiene-critical applications. We also offer methanol resistant and anti-bacterial grades, platinum (non-yellowing) and peroxide curing and varying hardnesses.

Technical Data

- **Operating Temperature** -40°C-+200°C
- **Colours:** Full range of colours incl metallics and neon
- **Sizes:** 0.5mm ? 25mm
- **Packing:** Coils, cut to length, cut sleeves
- **Print:** Yes, text and logos subject to testing
- **Approvals:** FDA, BDR approved, RoHS compliant
- **Applications / Industries:** General, Commercial, Electrical, Electronics, Industrial, Mechanical, Food, Medical



Properties	Typical Values	Test Methods
General		
Operating Temperature	-40°C-+200°C	
Physical		
Tensile Strength	10.3N/mm ³	
Ultimate elongation	600%	DIN 53 504 S1
Specific gravity	1.15 g/cm ³	DIN EN ISO 1183-1A
Hardness	Shore A 60 (others hardnesses available)	DIN 53 505
UV Resistance	Excellent resistance to UV and ozone	
Tear Resistance	25/mm ²	ASTM D 624 B
Impact Resistance	60%	DIN 53 512
Compression Set	20%	DIN ISO 815-B (22h/175°C)
Electrical		
Dielectric strength	20kV/mm	
Chemical		
Fungus resistance	Excellent	

Size (mm)	Supplied diameter (mm)	Nominal wall thickness (mm)
0.5	0.5	0.5 (many others also available)
0.75	0.75	0.5 (many others also available)
1	1.0	0.5 (many others also available)
1.5	1.5	0.5 (many others also available)
2	2.0	0.5 (many others also available)
2.5	2.5	0.5 (many others also available)
3	3.0	0.5 (many others also available)
3.5	3.5	0.5 (many others also available)
4	4.0	0.5 (many others also available)
4.5	4.5	0.5 (many others also available)
5	5.0	0.5 (many others also available)
6	6.0	0.5 (many others also available)
8	8.0	0.5 (many others also available)
10	10.0	0.5 (many others also available)
12	12.0	TBA
15	15.0	TBA
18	18.0	TBA
20	20.0	TBA
25	25.0	TBA

Printasleeve Ltd is as diligent as possible in compiling and updating the above information. It reflects averages derived from product sample testing, is subject to normal manufacturing and testing tolerances and may be changed without notice. Furthermore aesthetic and textural style differences can result in local variation. For specific or further information concerning our products, their specifications and their utilisation please contact us. E & OE

