

## Special Heat Shrink Parts

### S9 Silicone Rubber Heat Shrink Tube

#### Introduction

Cross-linked silicone rubber, flame-retardant, excellent flexibility, high & low temperature and solvent resistance. Suitable for thermal insulation and protection of medical instruments that require sterilization treatment, wire and cable terminals, fiber optic bundle sheathing and special cables in aviation and rocketry.

#### Features

- Operating temperature: -50 to 200°C
- Voltage class: 1kV
- Minimum fully recovery temperature: 150°C
- Standard Color: Gray, Red
- Shrink ratio: 1.7:1
- Packing: Roll or 1.5m/pcs max.

#### Dimension

Part No. S9	As supplied(mm)			After recovered (mm)		
	Inner diameter D (min.)	Wall thickness t (thin) (nom.)	Wall thickness t (heavy) (nom.)	Inner diameter d (max.)	Wall thickness t (thin) (nom.)	Wall thickness t (heavy) (nom.)
0.8	0.8	0.5	0.8	0.5	0.7	1.1
1.0	1.0	0.5	0.8	0.6	0.7	1.1
1.5	1.5	0.5	0.8	0.8	0.7	1.1
2.0	2.0	0.5	0.8	1.2	0.7	1.1
2.5	2.5	0.5	0.8	1.5	0.7	1.1
3.0	3.0	0.5	0.8	1.8	0.7	1.1
3.5	3.5	0.5	0.8	2.0	0.7	1.1
4.0	4.0	0.5	0.8	2.5	0.7	1.1
4.5	4.5	0.5	0.8	2.8	0.7	1.1
5.0	5.0	0.5	0.8	3.0	0.7	1.1
5.5	5.5	0.5	0.8	3.3	0.7	1.1
6.0	6.0	0.5	0.8	3.5	0.7	1.1
6.5	6.5	0.5	0.8	3.8	0.7	1.1
7.0	7.0	0.5	0.8	4.0	0.7	1.1
8.0	8.0	0.5	0.8	4.8	0.7	1.1
9.0	9.0	0.5	0.8	5.0	0.7	1.1
10	10	1.0	1.5	5.8	1.7	2.5
12	12	1.0	1.5	7.0	1.7	2.5
15	15	1.0	1.5	9.0	1.7	2.5
16	16	1.0	1.5	9.4	1.7	2.5
18	18	1.0	1.5	10	1.7	2.5
20	20	1.0	1.5	12	1.7	2.5
35	35	1.0	1.5	20	1.7	2.5
40	38	1.0	1.5	25	1.7	2.5
50	47	1.0	1.5	30	1.7	2.5

#### Technical Data

Property	Test Method	Requirement
Tensile Strength	ASTM D2671	≥6.9 MPa
Ultimate Elongation	ASTM D2671	≥300%
Dielectric strength	ASTM D2671	≥18 kV/mm
Volume resistivity	ASTM D2671	≥1.0×10 <sup>14</sup> Ω.cm
Dielectric constant	ASTM D2671	≤5.0
Flammability	ASTM D2671	Self-extinguishing within 60S
Radial shrinkage rate	ASTM D2671	≥40%

