

## Heat Shrink Silicone Rubber Tubing



**Model:HSST/HSST-F**

### Application:

- >Flexible electrical insulation sleeving and cable harnessing.
- >Tubing for household and commercial appliances, beverage and vending machines.
- >High and low temperature hose for industrial machinery and equipment (low pressure).
- >Medical and laboratory tubing

### Property:

Test Item	Value
Density 25°C	1.2
Rigidity JIS-A	70
Tensile strength	6.9Mpa(70Kgf/cm)
Elongation at break	400%
Tensile strength at break JIS-A	25Kgf/Cm
Volume resistance	$2 \times 10^{14} \Omega \cdot \text{cm}$
Breakdown Voltage (1mm)	25KV
Dielectric constant (*)50Hz	3.2
Operating temperature range	-50°C-+200°C
Shrinking Ratio	about 50%
Shrinking temperature	90°C above
RoHs Compliant	Pass (SGS report)
Low Smoking IEC 60754	Pass
Flammability Rating	Flame-Retardant(HSST-F Type)
Radiation resistance - $10^6$ MGy	Pass
Chemical resistance	Not strong acid or alkali resistance
Fluid Resistance	Splash Protection of Aviation Fuel, Brake Fluid, Hydraulic Fluid, Lubricating Oil, Water
Aging 200°C- 4hours, 180°C-168hours.	Pass

**Specification:**

Size (mm)	Before Shrinking		After Shrinking	
	I. D. (mm)	Thickness (mm)	I. D. (mm)	Thickness (mm)
φ 1.0	1.0	0.5±0.1	0.6	0.7±0.1
φ 1.5	1.5	0.5±0.1	0.8	0.7±0.1
φ 2.0	2.0	0.5±0.1	1.2	0.7±0.1
φ 2.5	2.5	0.5±0.1	1.5	0.7±0.1
φ 3.0	3.0	0.5±0.1	1.8	0.7±0.1
φ 3.5	3.5	0.5±0.1	2.0	0.7±0.1
φ 4.0	4.0	0.5±0.1	2.5	0.7±0.1
φ 4.5	4.5	0.5±0.1	2.8	0.7±0.1
φ 5.0	5.0	0.5±0.1	3.0	0.7±0.1
φ 6.0	6.0	0.5±0.1	3.8	0.7±0.1
φ 7.0	7.0	0.5±0.1	4.0	0.7±0.1
φ 8.0	8.0	0.5±0.1	4.8	0.7±0.1
φ 9.0	9.0	0.5±0.1	5.0	0.7±0.1
φ 10	10.0	1.0±0.1	6.5	1.7±0.1
φ 12	12.0	1.0±0.1	7.0	1.7±0.1
φ 15	15.0	1.0±0.1	9.0	1.7±0.1
φ 18	18.0	1.0±0.1	11.0	1.7±0.1
φ 20	20.0	1.0±0.1	13.0	1.7±0.1
φ 25	25.0	1.0±0.1	15.0	1.7±0.1
φ 30	30.0	1.0±0.1	18.0	1.7±0.1
φ 35	35.0	1.0±0.1	20.0	1.7±0.1
φ 40	38.0	1.0±0.1	25.0	1.7±0.1
φ 50	47.0	1.0±0.1	30.0	1.7±0.1
φ 60	57.0	1.5±0.1	38.0	2.5±0.1
φ 70	67.0	1.5±0.1	45.0	2.5±0.1
φ 80	77.0	1.5±0.1	48.0	2.5±0.1
φ 90	87.0	1.5±0.1	52.0	2.5±0.1
φ 100	97.0	1.5±0.1	57.0	2.5±0.1
φ 110	107.0	1.5±0.1	63.0	2.5±0.1