



## **SSST Silicone Tubing** **High Temperature Heat-Shrinkable Tubing**

### **Application**

SSST Silicone Tubing is highly flexible with outstanding physical strength. It is resistant to high and low temperatures.

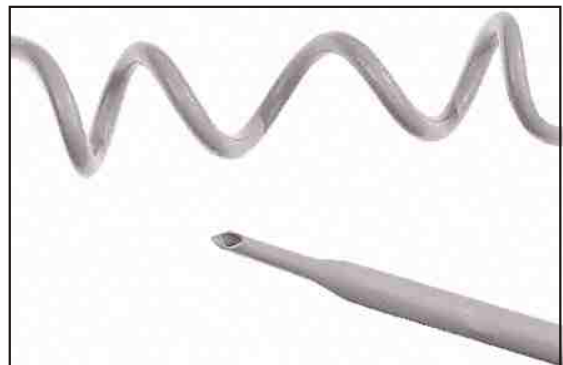
It resists extreme heat shocks, and exhibits good thermal insulation. SSST Silicone Tubing is non-burning and has outstanding ablative properties as well as excellent physical and electrical properties.

SSST Silicone Tubing is used in a wide variety of high temperature electrical applications including motors, sensors, thyristor power cable insulation, heating element and bus bar insulation, fibre optic bundle sheathing, and rocketry support cable protection.

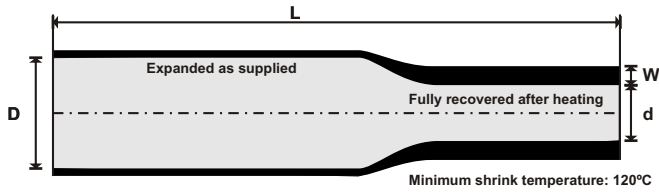
SSST Silicone Tubing is also used in medical equipment where its key properties are outstanding flexibility and ability to withstand exposure to sterilization conditions.

### **Feature**

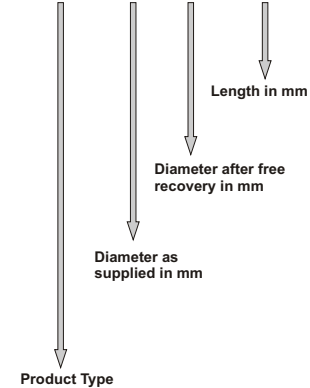
- Flame retardant
- Good mechanical strength
- Extremely flexible at high and low temperatures
- Excellent Chemical resistance
- Continuous operating temperature -50°C to 200°C
- Shrink ratio 2:1
- High resistance to UV and good weatherability



## TECHNICAL INFORMATION



### SSST 5.4 / 2 - 1000



Part Code	Description	Inside Diameter (mm)		Wall Thickness (mm) After recovery W	Standard Length L
		As supplied Min. D	After recovery Max. d		
EH120-1000	H/S High Temp SSST 1.8/1-1000	1.8	1	0.4	1m
EH120-1005	H/S High Temp SSST 2.2/1.2-1000	2.2	1.2	0.65	1m
EH120-1010	H/S High Temp SSST 3/1.7-1000	3	1.7	0.65	1m
EH120-1015	H/S High Temp SSST 4/2.2-1000	4	2.2	1.2	1m
EH120-1020	H/S High Temp SSST 5.4/2.7-1000	5.4	2.7	1.2	1m
EH120-1025	H/S High Temp SSST 6.8/3.3-1000	6.8	3.3	1.2	1m
EH120-1030	H/S High Temp SSST 8/4-1000	8	4	1.2	1m
EH120-1035	H/S High Temp SSST 11/5.5-1000	11	5.5	1.7	1m
EH120-1040	H/S High Temp SSST 21/12-1000	21	12	2.3	1m

Standard Colour: Black

PROPERTY		TEST METHOD	VALUE		
Physical	Unaged	Tensile Strength	Min. 6kgf/cm <sup>2</sup>		
		Elongation	Min. 350%		
	Aged	Tensile Strength	220°C/168 hrs	Min. 75% of the value of unaged specimens	
		Elongation		Min. 150%.	
	Deformation		220°C/1 hr	Max. 50%	
	Heat Shock		350°C/4 hrs	No Crack	
	Cold Blend		-55°C/4 hrs	No Crack	
	Flexibility		220°C/168 hrs	No Crack	
	Electrical	Secant Modulus		-	Max. 15 kgf/mm <sup>2</sup>
		Dielectric Strength		-	Min. 25kV/mm
Volume resistivity		-	Min. 20 x 10 <sup>12</sup> Ω-cm		
Chemical	Copper Corrosion		220°C/168 hrs	No corrosion	
	Copper stability		220°C/168 hrs	No sign of degradation	
	Flammability UL - 224		VW-1	Pass	