

Normal Flame Retarded Silicone Rubber Tubing



Model number: SBS-SRT

Working Temperature: -60°C-200°C

Rated voltage : 300V & 600V

Structure

It is extruded by silicone rubber.

Usage

Silicone Rubber Tubing are commonly used in electrical insulation. It can be installed in electric water bottle, or used in electric insulation to protect the carrier circulation.

Specification

Performance	Test method	Performance index
Tearing strength (MPa)	ASTM D 2671	≥25 MPa
Elongation (%)	ASTM D 2671	≥300%
Flame retardant	UL224	VW-1
Breakdown strength (kv/mm)	IEC 60243	≥26
Volume resistivity (Ω/cm)	IEC 60093	≥10 ¹⁴
Copper corrosion	UL 224	Passed
Water absorption	ASTM D 570	< 0.1%

Dimension

Inner Diameter(mm)	Tolerance (mm)	Thickness and tolerance (mm)			
		300V	600V		
φ0.8	0.8±0.10	0.50±0.10	1.00±0.15	1.50±0.20	2.00±0.25
φ1.0	1.0±0.10	0.50±0.10	1.00±0.15	1.50±0.20	2.00±0.25
φ1.5	1.5±0.10	0.50±0.10	1.00±0.15	1.50±0.20	2.00±0.25
φ2.0	2.0±0.10	0.50±0.10	1.00±0.15	1.50±0.20	2.00±0.25
φ2.5	2.5±0.10	0.50±0.10	1.00±0.15	1.50±0.20	2.00±0.25
φ3.0	3.0±0.10	0.50±0.10	1.00±0.15	1.50±0.20	2.00±0.25
φ3.5	3.5±0.10	0.50±0.10	1.00±0.15	1.50±0.20	2.00±0.25
φ4.0	4.0±0.10	0.50±0.10	1.00±0.15	1.50±0.20	2.00±0.25
φ4.5	4.5±0.10	0.50±0.10	1.00±0.15	1.50±0.20	2.00±0.25
φ5.0	5.0±0.20	0.50±0.10	1.00±0.15	1.50±0.20	2.00±0.25
φ5.5	5.5±0.20	0.50±0.10	1.00±0.15	1.50±0.20	2.00±0.25
φ6.0	6.0±0.20	0.50±0.10	1.00±0.15	1.50±0.20	2.00±0.25
φ6.5	6.5±0.20	0.50±0.10	1.00±0.15	1.50±0.20	2.00±0.25

Inner Diameter(mm)	Tolerance (mm)	Thickness and tolerance (mm)			
		300V	600V		
φ7.0	7.0±0.20	—	1.00±0.15	1.50±0.20	2.00±0.25
φ7.5	7.5±0.20	—	1.00±0.15	1.50±0.20	2.00±0.25
φ8.0	8.0±0.25	—	1.00±0.15	1.50±0.20	2.00±0.25
φ9.0	9.0±0.25	—	1.00±0.15	1.50±0.20	2.00±0.25
φ10.0	10.0±0.25	—	1.00±0.15	1.50±0.20	2.00±0.25
φ11.0	11.0±0.30	—	1.00±0.15	1.50±0.20	2.00±0.25
φ12.0	12.0±0.30	—	1.00±0.15	1.50±0.20	2.00±0.25
φ13.0	13.0±0.30	—	1.00±0.15	1.50±0.20	2.00±0.25
φ14.0	14.0±0.30	—	—	1.50±0.20	2.00±0.25
φ15.0	15.0±0.30	—	—	1.50±0.20	2.00±0.25
φ20.0	20.0±0.30	—	—	—	2.50±0.3

Remark: Other sizes can be made upon customer requirements.

Color: Standard color is transparent and white, other color available upon request.