

SHSBRSM

**FLAME-RETARDANT, MEDIUM WALL, POLYOLEFIN HEAT SHRINK TUBING
(ADHESIVE-LINED OR NON-ADHESIVE LINED)**

Characteristics

- Operating temperature -45°C to +125°C
- Fully shrink temperature 125°C
- Shrink ratio: 3:1
- RoHs compliant and resistant to UV
- Standard colors: black



Applications

SHSBRSM series of medium wall general purpose tubing is specially designed for use in a broad range of low-voltage applications. Tough and flexible, the tubing is particularly suited for the insulation and protection of cable joints as well as for cable repair. Uncoated tubing provides insulation and strain relief. Adhesive lined tubing also provides an environmental seal.

Technical Data

Property	Test Method	Typical Data
Tensile Strength	ASTM D2671	≥14 MPa
Elongation	ASTM D2671	≥400%
Density	ASTM D792	1.2 g/cm ³
Longitudinal change	UL 224	≤±10%
Elongation after aging	UL224 158°CX168hrs	≥300%
Heat shock	UL224 225°CX4hrs	No cracking
Dielectric strength	IEC 243	≥20kV/mm
Volume resistivity	IEC 93	≥10 ¹⁴ Ω.cm
Water absorption(%)	ASTM-D570	≤0.15
Flammability	VW-1	Self-extinguish in 30 seconds

Hot Melting Adhesive Property

Property	Test Method	Typical Data
Water absorption	ASTM D570	≤0.2%
Softening point	ASTM E28	95°C
Peel strength(PE)	ASTM D1000	120N/25mm
Peel strength(AL)	ASTM D1000	80N/25mm

Product Dimensions

Size	As Supplied	After Recovery(mm)				Standard Length
mm	Internal Diameter (mm)	Internal Diameter	Out layer Wall Thickness	Adhesive Layer Wall Thickness	Total Wall Thickness	(M/pc)
10.2/3.0	≥10.2	≤3.0	1.43±0.40	0.53±0.20	1.96±0.50	1.22
16/5.0	≥16	≤5.0	1.53±0.40	0.58±0.20	2.11±0.50	1.22
19.1/5.6	≥19.1	≤5.6	1.83±0.40	0.63±0.20	2.66±0.50	1.22
25/8	≥25	≤8	2.03±0.40	0.68±0.20	2.71±0.50	1.22
28/6	≥28	≤6	2.35±0.40	0.95±0.20	3.33±0.50	1.22
28/9	≥28	≤9	1.95±0.40	0.78±0.20	2.73±0.50	1.22
35/10.2	≥35	≤10.2	2.05±0.40	0.78±0.20	2.93±0.50	1.22
38.1/12	≥38.1	≤12	2.05±0.40	0.78±0.20	3.13±0.50	1.22
43.2/12.7	≥43.2	≤12.7	2.15±0.40	0.78±0.20	3.13±0.50	1.22
52.1/16	≥52.1	≤16	2.15±0.50	0.78±0.20	3.23±0.60	1.22
63/19	≥63	≤19	2.35±0.50	0.88±0.30	3.53±0.60	1.22
75/22	≥75	≤22	2.95±0.50	--	--	1.22
58/25	≥85	≤25	2.95±0.50	--	--	1.22
95/29	≥95	≤29	2.95±0.50	--	--	1.22
115/34	≥115	≤34	2.95±/-0.60	--	--	1.22
140/42	≥140	≤42	3.05±0.60	--	--	1.22

Product Code Table

Description.	Product Code
Heatshrink Medium Wall With Adhesive 3:1 Black 9mm 1.22	MSBRS10.2/3
Heatshrink Medium Wall With Adhesive 3:1 Black 19.1mm 1.22m	MSBRS19.1/5.6
Heatshrink Medium Wall With Adhesive 3:1 Black 28mm 1.22m	MSBRS28/9
Heatshrink Medium Wall With Adhesive 3:1 Black 38.1mm 1.22m	MSBRS38.1/12
Heatshrink Medium Wall With Adhesive 3:1 Black 43.2mm 1.22m	MSBRS43.2/12.7
Heatshrink Medium Wall With Adhesive 3:1 Black 63mm 1.22m	MSBRS63/19