

## SHSBRSW

**FLAME-RETARDANT, HEAVY 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

Rugged, heavy wall tubing is specially designed for insulating, protecting and sealing electrical connections and joints in low-voltage cables where flame-retardant, electrical insulation and water proof are required.

### Technical Data

Property	Test Method	Typical Data
Tensile Strength	ASTM D2671	≥14 MPa
Elongation	ASTM D2671	≥400%
Density	ASTM D792	1.2 g/cm <sup>3</sup>
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 <sup>14</sup> Ω.cm
Water absorption(%)	ASTM-D570	≤0.5
Flammability	VW-1	Self-extinguish in 30 seconds

### Hot Melting Adhesive Property

Property	Test Method	Standard Value
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 mm	As Supplied Internal Diameter(m m)	After Recovery				Standard length (M/pc)
		Internal Diameter	Out layer Wall Thickness	Adhesive Layer Wall Thickness	Total Wall Thickness	
9/3	≥9	≤3	2.03±0.30	0.48±0.20	2.50±0.40	1.22
13/4	≥13	≤4	2.33±0.40	0.48±0.20	2.78±0.50	1.22
16/5	≥16	≤5	2.33+/-0.40	0.53+/-0.20	2.85+/-0.50	1.22
20/6	≥20	≤6	2.33±0.40	0.63±0.20	2.95±0.50	1.22
28/9	≥28	≤9	2.33±0.40	0.73±0.20	3.05±0.50	1.22
33/10.2	≥33	≤10.2	2.85±0.50	0.73±0.20	3.05±0.50	1.22
38.1/12	≥38.1	≤12	3.13±0.50	0.73±0.40	3.55±0.50	1.22
43.2/12.7	≥43.2	≤12	3.53±0.50	0.73±0.40	4.25±0.70	1.22
51/16	≥51	≤16	3.85±0.50	0.73±0.40	4.58±0.70	1.22
70/21	≥70	≤21	3.65±0.50	--	--	1.22
85/25	≥85	≤25	3.65±0.50	--	--	1.22
105/30	≥105	≤30	3.85±0.50	--	--	1.22
120/39	≥120	≤39	3.85±0.50	--	--	1.22
140/42	≥140	≤42	3.85±0.50	--	--	1.22

## Product Code Table

Description.	Product Code
Heatshrink Heavy Wall With Adhesive 3:1 Black 9mm 1.22m	HSBRS9/3
Heatshrink Heavy Wall With Adhesive 3:1 Black 13mm 1.22m	HSBRS13/4
Heatshrink Heavy Wall With Adhesive 3:1 Black 20mm 1.22m	HSBRS20/6
Heatshrink Heavy Wall With Adhesive 3:1 Black 28mm 1.22m	HSBRS28/9
Heatshrink Heavy Wall With Adhesive 3:1 Black 38.1mm 1.22m	HSBRS38.1/12
Heatshrink Heavy Wall With Adhesive 3:1 Black 51mm 1.22m	HSBRS51/16
Heatshrink Heavy Wall With Adhesive 3:1 Black 70mm 1.22m	HSBRS70/21