



## SBRS-125G(2X)(3X)(4X)

### Environmentally Friendly Adhesive lined Dual Wall Heat Shrink Tubing



#### Description

**SBRS-125G(2X) (3X) (4X)** is a cross-linked polyolefin tube that is extruded with an inner layer of adhesive. The inner layer of adhesive, with superior sealing capability, is also a buffer against mechanical strain. Dual wall heat shrink tubing is designed to provide superior sealing against water, corrosive gas and chemicals. Typical applications include environmental sealing of in-line splices, sealing and strain relief of connectors and terminals, abrasion protection and electrical insulation of automotive wiring harness splices and valuable components, fleet & marine sealing & protection and wire bundling etc.

#### Features

- Standard: UL 224
- Shrink ratio: 2:1 3:1 4:1
- Flame retardant out layer, environmentally friendly, UV resistant
- Shrink temperature: 80°C~110°C
- Continuous operating temperature: -45°C ~125°C (-45°C ~105°C for clear )
- RoHS compliant
- Standard colors: Black, Clear .More colors are available upon request.



## Technical Performance

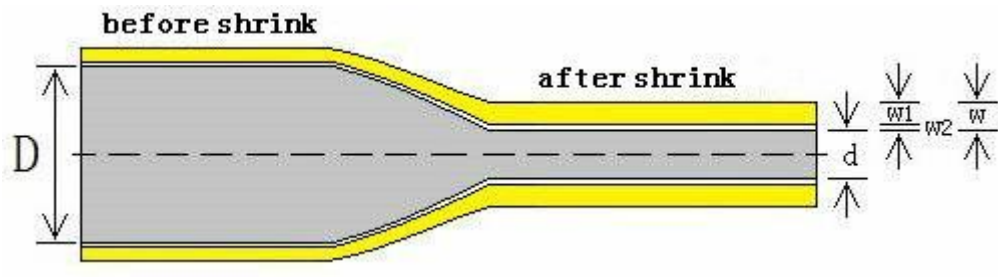
Property	Typical data	Test method/condition
Tensile strength	≥12MPa	ASTM D 2671
Elongation at break	≥400%	ASTM D 2671
Tensile strength after heat aging	≥11MPa	158°C ×168h
Elongation after heat aging	≥350%	158°C ×168h
Longitudinal change	0~+10%	ASTM D 2671
Flammability	Self extinguishing in 30 sec.	AMS-DTL-23053/4
Dielectric strength	≥15kV/mm	IEC 60243
Volume resistivity	≥10 <sup>14</sup> Ω.cm	IEC 60093

## Technical Performance of Adhesive

Property	Typical data	Test method/condition
Softening point	95±5°C	ASTM E 28
Water absorption	<0.5%	ASTM D 570
Peel strength(PE)	≥120N/25mm	ASTM D 1000
Peel strength(Al)	≥80N/25mm	ASTM D 1000



## Structure



## Dimensions (2:1)

Size (mm)	As supplied D(mm)	After full recovery(mm)			Standard Package
		Inner diameter d	Wall thickness w1	Thickness of adhesive layer w2	(M/Roll or M/Pcs)
Φ1.6	≥1.6	≤0.80	0.60±0.15	0.30±0.10	200
Φ2.4	≥2.4	≤1.20	0.70±0.15	0.35±0.10	200
Φ3.2	≥3.2	≤1.60	0.70±0.15	0.35±0.10	200
Φ4.8	≥4.8	≤2.40	0.80±0.15	0.40±0.10	100
Φ6.4	≥6.4	≤3.20	0.80±0.15	0.40±0.10	100
Φ7.9	≥7.9	≤3.90	0.90±0.15	0.45±0.10	100
Φ9.5	≥9.5	≤4.80	0.90±0.15	0.45±0.10	50



Φ12.7	≥12.7	≤6.40	0.95±0.20	0.45±0.10	25
Φ15.9	≥15.9	≤7.90	0.95±0.20	0.45±0.10	25
Φ19.1	≥19.1	≤9.50	1.00±0.20	0.45±0.10	25
Φ25.4	≥25.4	≤12.70	1.10±0.20	0.50±0.10	25
Φ31.8	≥31.8	≤15.0	1,15±0.20	0.50±0.10	1.22
Φ38.1	≥38.1	≤19.0	1.25±0.20	0.50±0.10	1.22
Φ44.5	≥44.5	≤22.0	1.35±0.20	0.55±0.10	1.22
Φ50.8	≥50.8	≤25.4	1.50±0.25	0.60±0.10	1.22

## Dimensions (3:1)

Size(mm)	As supplied D(mm)	After full recovery (mm)			Standard Package (M/Roll or M/Pcs)
		Inner diameter d	Wall thickness w1	Thickness of adhesive layer w2	
Φ3.0(3.2)	≥3.0	≤1.00	≥1.00	0.50	200
Φ4.8	≥4.8	≤1.50	≥1.00	0.50	100
Φ6.0(6.4)	≥6.0	≤2.00	≥1.00	0.50	100
Φ7.9	≥7.9	≤2.70	≥1.30	0.50	100
Φ9.0(9.5)	≥9.0	≤3.00	≥1.40	0.60	50
Φ12.0(12.7)	≥12.0	≤4.00	≥1.60	0.80	25
Φ15.0	≥15.0	≤5.00	≥1.80	0.80	25



Φ19.0(19.1)	≥19.0	≤6.00	≥2.10	0.80	25
Φ24.0(25.4)	≥24.0	≤8.00	≥2.40	1.00	25
Φ30.0	≥30.0	≤10.0	≥2.40	1.00	25
Φ40.0(39.0)	≥39.0	≤13.0	≥2.40	1.00	1.22
Φ50.0	≥50.0	≤19.0	≥2.40	1.00	1.22

## Dimensions (4:1)

Size(mm)	As supplied D(mm)	After full recovery (mm)			Standard Package (M/Roll or M/Pcs)
		Inner diameter d	Wall thickness w1	Thickness of adhesive layer w2	
Φ4.0	≥4.0	≤1.00	≥1.00	0.50	200
Φ6.0	≥6.0	≤1.50	≥1.00	0.50	100
Φ8.0	≥8.0	≤2.00	≥1.00	0.50	50
Φ12.0	≥12.0	≤3.00	≥1.40	0.60	25
Φ16.0	≥16.0	≤4.00	≥1.60	0.80	25
Φ19.0	≥19.0	≤4.50	≥1.80	0.80	25
Φ24.0	≥24.0	≤6.00	≥2.10	0.80	25
Φ32.0	≥32.0	≤8.00	≥2.40	1.00	1.22
Φ40.0	≥40.0	≤10.0	≥2.40	1.00	1.22
Φ52.0	≥52.0	≤13.0	≥2.40	1.00	1.22

**Note: Other nonstandard dimensions and packages are available on your request.**