



SBRS-125H (3X)

Halogen-free Adhesive-lined Dual Wall Heat Shrink Tubing



Description

SBRS-125H (3X) 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

- Shrink ratio:3:1
- Flame retardant outer layer, halogen free, UV resistant
- Shrink temperature:70°C~125°C
- Continuous operating temperature:-45°C ~125°C
- RoHS compliant
- Standard colors: Black. More colors are available upon request.



Technical Performance

Property	Typical data	Test method/condition
Tensile strength	≥10.4MPa	ASTM D 2671
Elongation at break	≥300%	ASTM D 2671
Tensile strength	≥7.3MPa	158°C×168h
Elongation at break	≥100%	158°C×168h
Longitudinal change	-8%~+8%	ASTM D 2671
Flammability	Self-extinguishing in 60 sec.	AMS-DTL-23053/4
Voltage withstand(Rated voltage 600V)	2500V,1min no breakdown	UL 224
Heat shock	No cracks, no dripping	UL 224,250°C×4h
Dielectric strength	≥15kV/mm	IEC 60243
Volume resistivity	≥10 ¹⁴ Ω.cm	IEC 60093

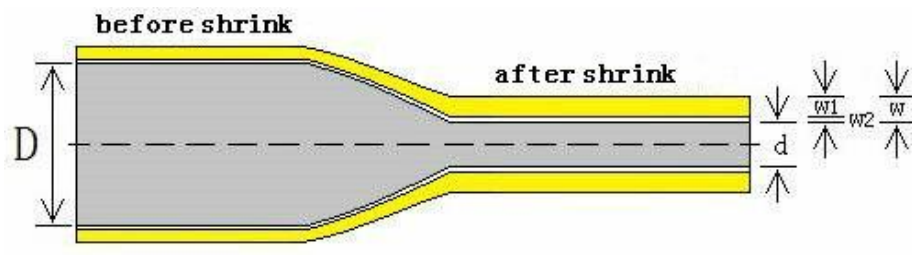
Technical Performance of Adhesive

Property	Typical Data	Test method/condition
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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 (3:1)

Size		As supplied ID(mm) D	After full recovery(mm)			Standard package
mm	inch		ID d	Wall thickness w1	Thickness of adhesive w2	(m/spool, m/pc)
Φ2.4	3/32	≥2.4	≤0.80	0.85±0.15	0.35±0.08	200
Φ3.2	1/8	≥3.2	≤1.00	0.95±0.15	0.35±0.08	200



Φ4.8	3/16	≥4.8	≤1.60	1.10±0.15	0.40±0.08	100
Φ6.4	1/4	≥6.4	≤2.20	1.20±0.15	0.45±0.08	100
Φ7.9	5/16	≥7.9	≤2.70	1.35±0.15	0.50±0.08	100
Φ9.5	3/8	≥9.5	≤3.20	1.45±0.20	0.50±0.08	50
Φ12.7	1/2	≥12.7	≤4.20	1.70±0.20	0.50±0.08	25
Φ15.0	5/8	≥15.0	≤5.20	1.80±0.20	0.55±0.10	25
Φ19.1	3/4	≥19.1	≤6.30	2.00±0.20	0.55±0.10	25
Φ25.4	1	≥25.4	≤8.50	2.10±0.25	0.55±0.10	25
Φ30.0	1-1/4	≥30.0	≤10.20	2.20±0.25	0.60±0.10	1.22
Φ39.0	1-1/2	≥39.0	≤13.50	2.40±0.25	0.60±0.10	1.22
Φ50.0	2	≥50.0	≤17.00	2.70±0.25	0.70±0.10	1.22

Note : Non-standard dimensions and package are available on request