



SBRS-110G(3X)(4X)NF

Environmentally Friendly Non-Flame Retardant Adhesive-lined Dual Wall Heat Shrink Tubing



Description

SBRS-110G(3X)(4X)NF 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、4:1
- Flexible ,environment friendly
- Shrink temperature: 70°C~100°C
- Continuous operating temperature: -45°C~110°C (-45°C~105°C for clear)
- RoHS compliant
- Standard colors: Black, White, Red , Yellow ,Green, Blue ,Clear. More colors are available upon request.



Technical Performance

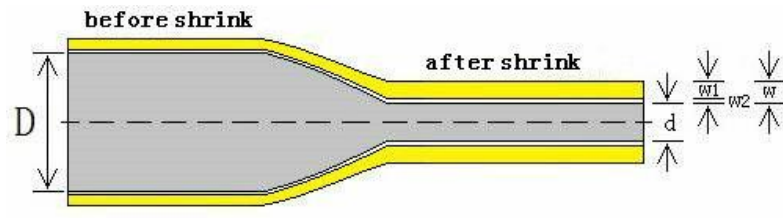
Property	Typical Data	Test Method/Condition
Tensile Strength	≥10.4MPa	ASTM D 2671
Elongation at break	≥300%	ASTM D 2671
Longitudinal Change	-8% ~ +8%	ASTM D 2671
Flammability	Non flame retardant	-
Dielectric strength	15kV/mm	IEC 60243
Volume resistivity	≥10 ¹⁴ Ω.cm	IEC 60093

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 (3:1)

Size(mm)	As supplied D(mm)	After full recovery (mm)			Standard Package
		Inner diameter d	Wall thickness w1	The wall thickness of adhesive-layer w2	(M/Roll, M/Pcs)
Φ2.4	≥2.4	≤0.80	0.90±0.15	0.35±0.10	200
Φ3.2	≥3.2	≤1.00	0.95±0.15	0.40±0.10	200
Φ4.8	≥4.8	≤1.60	1.10±0.15	0.40±0.10	100
Φ6.4	≥6.4	≤2.20	1.20±0.15	0.45±0.10	100
Φ7.9	≥7.9	≤2.70	1.35±0.15	0.50±0.10	100
Φ9.5	≥9.5	≤3.20	1.45±0.20	0.50±0.15	50
Φ12.7	≥12.7	≤4.20	1.70±0.20	0.50±0.15	25



Φ15.0	≥15.0	≤5.20	1.80±0.20	0.55±0.15	25
Φ19.1	≥19.1	≤6.30	2.00±0.20	0.55±0.15	25
Φ25.4	≥25.4	≤8.50	2.10±0.25	0.55±0.15	25
Φ30.0	≥30.0	≤10.2	2.20±0.25	0.60±0.15	1.22
Φ39.0	≥39.0	≤13.5	2.40±0.25	0.60±0.15	1.22
Φ50.0	≥50.0	≤17.0	2.70±0.25	0.80±0.15	1.22
Φ64.0	≥64.0	≤21.0	3.00±0.30	0.80±0.20	1.22
Φ76.0	≥76.0	≤25.0	3.00±0.30	1.00±0.20	1.22
Φ90.0	≥90.0	≤30.0	3.00±0.30	1.00±0.20	1.22
Φ100	≥100	≤34.0	3.00±0.30	1.00±0.20	1.22
Φ125	≥125	≤42.0	3.00±0.30	1.00±0.15	1.22

Note: Non-standard dimensions and packages are available on your request

Dimensions (4:1)

Size(mm)	As supplied D(mm)	After full recovery(mm)			Standard Package
		Inner diameter	Wall thickness	Wall thickness of adhesive-layer w2	
		d	w1		(M/Roll, M/Pcs)
Φ4.0	≥4.0	≤1.00	1.00±0.15	0.40±0.15	200



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Φ6.0	≥6.0	≤1.50	1.10±0.15	0.40±0.15	100
Φ8.0	≥8.0	≤2.00	1.20±0.15	0.50±0.15	100
Φ12.0	≥12.0	≤3.00	1.40±0.15	0.50±0.15	25
Φ16.0	≥16.0	≤4.00	1.70±0.15	0.60±0.15	25
Φ20.0	≥20.0	≤5.00	2.00±0.25	0.60±0.15	25
Φ24.0	≥24.0	≤6.00	2.10±0.25	0.60±0.15	25
Φ32.0	≥32.0	≤8.00	2.40±0.25	0.70±0.15	1.22
Φ52.0	≥52.0	≤13.0	2.40±0.25	0.70±0.15	1.22

Note: Non-standard dimensions and packages are available on your request