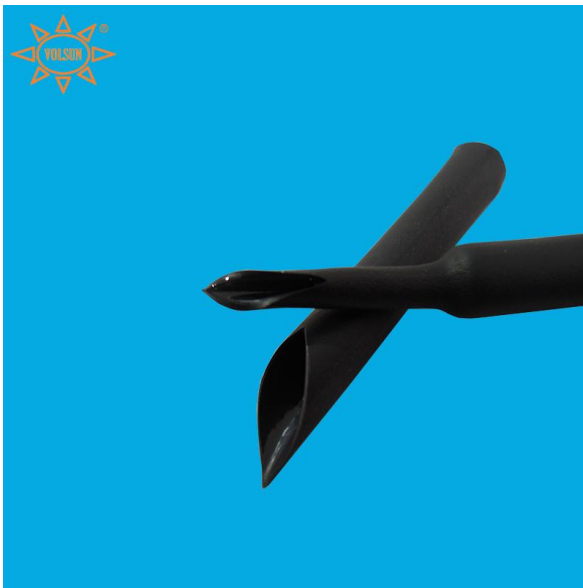




SBRS-VBK

Semi-Rigid Adhesive Lined Heat Shrink Tubing



Description

SBRS-VBK is a dual-wall, heat shrinkable tubing designed to provide moisture proof encapsulation of an electrical splice in an automotive environment. Moisture may enter a splice area directly or indirectly via a capillary action between individual wires, thus causing corrosion.

The tubing is centered over the splice area and on heating the adhesive melts and is squeezed around where the wires are crimped or welded and between the conductors, by the shrinking action of the sleeve. The installed product provides low profile mechanical protection against flexing, abrasion and cut-through as well as electrical insulation. The jacket is flame-retarded.

Features

- Semi rigid
- High performance adhesive
- Designed for wire harnesses/splices
- Excellent mechanical properties
- Operating temp.: -35°C ~+125°C
- Min. shrink temp.: 110°C
- Min. fully recovery temp.: 135°C
- Shrink ratio: 4:1
- RoHS compliant
- Standard color: Black .Clear (Non-Flame retardant)



Technical Performance

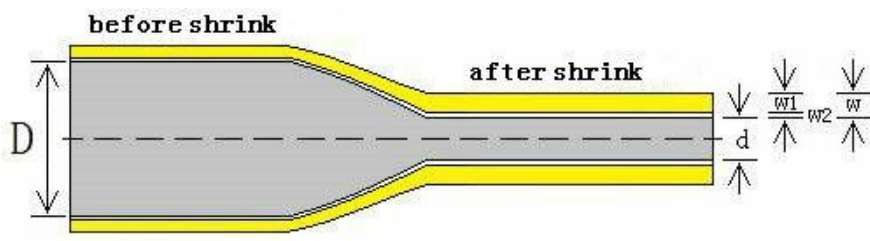
Property	Typical Data	Test Method
Tensile strength	≥16MPa	ASTM D 2671
Ultimate elongation	≥400%	ASTM D 2671
Heat ageing Tensile strength	≥13MPa	158°C×168h
Heat ageing Ultimate elongation	≥300%	158°C×168h
Longitudinal shrinkage	-8% ~ +8%	ASTM D 2671
Flammability	Self-extinguishing in 30 sec.	AMS-DTL-23053/4
Flammability	≥20kV/mm	IEC 60243
Volume resistance	≥10 ¹⁴ Ω.cm	IEC 60093

Technical Performance of Adhesive

Property	Typical Data	Test Method/Condition
Softening point	135±5°C	ASTM E 28
Water absorption	< 0.5%	ASTM D 570
Peel strength(PE)	≥120N/25mm	ASTM D 1000
Peel strength(AI)	≥80N/25mm	ASTM D 1000



Structure



Dimensions

Size (mm)	As supplied (mm)	After recovered(mm)			Standard package
		Inside diameter (Max.)	Total Wall thickness (Min.)w1	Adhesive Thickness (Nom.)w2	(M/pcs)
Φ6.0	≥6.0	≤1.27	≥1.30	0.56	1.22
Φ8.0	≥8.0	≤1.65	≥1.52	0.76	1.22
Φ12.0	≥12.0	≤2.41	≥1.91	1.02	1.22
Φ18.0	≥18.0	≤4.45	≥2.41	1.37	1.22



Packaging

Standard packaging on 1.22m.

Other: Other cut lengths are available, please contact our sales department.

Cross Reference

Volsun VBK 6 / 1.27 ===== Tyco RBK-ILS-125-NR1

Volsun VBK 8 / 1.65 ===== Tyco RBK-ILS-125-NR2

Volsun VBK 12 / 2.41===== Tyco RBK-ILS-125-NR3

Volsun VBK 18 / 4.45===== Tyco RBK-ILS-125-NR4