

TECHNICAL DATA SHEET

**RoHS
Compliant**

CB19350-353

High Flame-retardant Adhesive-lined Heat Shrinkable Tube for Automotive Wiring Harness 4:1

Anti-UV light, soft highly flame retardant, excellent waterproof, moisture-proof, and sealing performance

Characteristics

- Minimum shrink temperature: 70°C
- Minimum fully recovery temperature: 125°C
- Operating temperature: -45°C ~ 125°C
- Shrink ratio: 4:1
- Environmental standards: RoHS
- Colour: Outer layer black (special colour can be customized)
Inner layer white (adhesive-lined layer)



Applications

High Flame-retardant adhesive-lined heat shrinkable tube for Automotive Wiring Harness 4:1 produced by high quality polyolefin and flame retardant hot melt adhesive through double-layer co-extrusion process. The outer layer of this tube has high physical and chemical properties, and good contraction, and so on. The inner layer of this tube made of high quality holt melt in white color which has low melting point, waterproof sealing and good Mechanical strain buffering.

It is Widely used in automotive wiring harness connected waterproof; anti gas and electricity leakage; stranded harness waterproof seal (such as home appliance wiring harness, electrical equipment wiring harness and so on); wire and cable branch at sealing waterproofing, corrosion protection for metal pipes, wire and cable repairing, water pump, submersible pump wiring waterproofing and other applications.

Outer Layer Technical Data

Property	Test Method	Typical Data
Tensile Strength	ASTM D 2671	≥10.4MPa
Elongation at breaking	ASTM D 2671	≥300%

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Tensile Strength after Aging	UL 224 158°C x 168hrs	≥7.3
Elongation at break after heat aging	UL 224 158°C x 168hrs	≥100
Axial shrinkage rate	ASTM D 2671	-8%~+8%
Flammability	SAE-AMS-DTL-23053/5	Self-distinguish within 30s
Dielectric strength	IEC 243	≥15kV/mm
Volume resistance	IEC 93	≥1x10 ¹⁴ Ω·cm

Technical Data—Adhesive

Property	Test Method	Typical Data
Water Absorption	ASTM D 570	≤0.2%
Softening Point	ASTM D E28	85°C
Peel Strength (to PE)	ASTM D 1000	120N/25m
Peel Strength (to AL)	ASTM D 1000	80N/25m

Product Dimensions

Size		As supplied	After recovery(mm)			Standard Package
mm	inch	Internal Diameter (mm)	Internal Diameter	Total Wall Thickness	Wall thickness of Adhesive	M/PC
Φ6.0	1/4	≥6.0	≤1.27	1.30±0.20	0.56±0.20	1.22
Φ8.0	5/16	≥8.0	≤1.65	1.65±0.20	0.76±0.20	1.22
Φ10.0	2/5	≥10.0	≤2.00	1.85±0.20	0.95±0.20	1.22
Φ12.0	1/2	≥12.0	≤2.41	2.00±0.20	1.02±0.20	1.22
Φ18.0	3/4	≥18.0	≤4.45	2.50±0.20	1.37±0.20	1.22

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