

Heat Shrink Cap

Heat-shrink cap is a cap-shaped heat-shrinkable component made of radiation-crosslinked polyolefin material, with a hot-melt adhesive coated on the inner wall. It achieves tight wrapping and sealing of cable or pipe ends upon heating and shrinking. Manufactured from semi-rigid, flame-retardant, crosslinked modified polyolefin material, it offers excellent mechanical strength, weather resistance, and chemical stability.

KEY FEATURES

1. Excellent Sealing & Waterproofing
2. High Mechanical Strength & Durability
3. Easy Installation
4. Reliable Electrical Insulation

APPLICATIONS

1. Power & Telecommunications
2. Pipe Anti-Corrosion
3. Wire Harness End Protection

PRODUCT SPECIFICATIONS

1. Product Composition:

Outer Layer (Substrate): Radiation-crosslinked polyolefin, providing mechanical protection, insulation, and heat-shrinkable performance.

Inner Layer (Adhesive): High-performance hot-melt adhesive, providing adhesion and sealing to the outer wall of cables or steel pipes, critical for waterproofing and moisture resistance.

2. Technical Parameters (Outer Layer):

Property	Typical Value	Test Method
Tensile Strength	≥10 - 20 MPa	ASTM D 2671
Elongation at Break	≥300% - 550%	ASTM D 2671
Dielectric Strength	≥22 - 36.9 kV/mm	IEC 60243
Volume Resistivity	≥1×10 ¹³ Ω·cm	IEC 60093
Operating Temperature Range	- 45°C to +125°C	Design Value / Industry Standard

