

Silane Crosslinkable XLPE Insulation Compound

This compound is made using PE and other resins as the base material, incorporating antioxidants, lubricants, and catalysts. It is suitable for medium and high voltage cable applications, providing excellent electrical properties, thermal stability, and weather resistance.



Product Overview

High-Performance Silane XLPE Insulation

This silane crosslinkable polyethylene (XLPE) insulation compound is engineered for demanding electrical applications, specifically for weather-resistant overhead cables rated up to 10kV. Featuring a high carbon black content of at least 2%, it provides exceptional UV protection and long-term durability in outdoor environments. The material is designed for superior processing, offering a smooth extrusion surface and fast, stable crosslinking performance.

Technical Specifications

Compliance Standards	JB/T101-260-2014
Minimum Carbon Black Content	2 %
Maximum Voltage Rating	10 kV

Key Characteristics

Material Advantages

- Superior weathering resistance
- Excellent resistance to electrical traces
- Smooth extrusion surface
- Fast crosslinking speed
- Stable quality

Applications

Primary Uses	Overhead Cables, Power Cable Insulation, Outdoor Environments, 10kV Power Systems
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