

PRODUCT OVERVIEW

A two-component silane-crosslinkable polyethylene system for low-voltage cable and building-wire insulation.

Base / family	Cable Compounds	Primary process	Cable extrusion
Supply form	Two-component pellets	Standard colour	Natural / black

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Base : catalyst mixing ratio	Gravimetric control	95 : 5	parts
Density of mixed system, 23°C	ISO 1183-1	0.925	g/cm ³
Melt flow rate, base, 190°C/2.16 kg	ISO 1133-1	1.5	g/10 min
Tensile strength after cure	IEC 60811-501	≥ 13	MPa
Elongation at break after cure	IEC 60811-501	≥ 300	%
Hot-set elongation, 200°C/0.2 MPa	IEC 60811-507	≤ 100	%
Permanent set	IEC 60811-507	≤ 15	%
Gel content after cure	ASTM D2765	≥ 65	%
Volume resistivity, 23°C	IEC 62631-3-1	≥ 1×10¹⁶	Ω·cm

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS • LV power-cable insulation • Building wire insulation • Selected industrial wire	KEY BENEFITS • 95:5 base/catalyst system • Moisture-cure crosslinking • Natural and black variants
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PROCESSING GUIDELINES

Premix base and catalyst at 95:5 immediately before extrusion. Recommended melt temperature: 160-210°C. Keep both components sealed before use and cure the finished insulation under controlled hot-water or steam conditions.

Technical note: Crosslinking and finished-cable performance depend on extrusion, curing and cable construction.

PACKAGING AND STORAGE Moisture-barrier packaging for separate base and catalyst components. Store sealed below 30°C and protect from water. Recommended shelf life: 6 months.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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The information in this document is provided for material selection and processing guidance. Suitability for a specific design, process and end use should be confirmed by the user under actual service conditions.