

PRODUCT OVERVIEW

A halogen-free flame-retardant polyolefin compound for cable jacketing and sheathing applications.

Base / family	Cable Compounds	Primary process	Cable extrusion
Supply form	Pellets	Standard colour	Natural / black

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Melt flow rate, 190°C/2.16 kg	ISO 1133-1	0.7	g/10 min
Density, 23°C	ISO 1183-1	1.64	g/cm ³
Tensile strength	IEC 60811-501	≥ 10	MPa
Elongation at break	IEC 60811-501	≥ 125	%
Hardness	ISO 868	57	Shore D
Brittleness temperature	ASTM D746	≤ -25	°C
Oxygen index	ISO 4589-2	≥ 40	%
Acid-gas pH	IEC 60754-2	≥ 4.3	
Acid-gas conductivity	IEC 60754-2	≤ 10	μS/mm

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

APPLICATIONS - Fibre-optic cable jacket - Building and transit cable sheath - Industrial control cable	KEY BENEFITS - Halogen-free formulation - High oxygen index - Low-corrosivity combustion gases
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PROCESSING GUIDELINES

Cable extrusion using low shear and controlled moisture. Recommended melt temperature: 140-180°C, maintained below the decomposition onset of the mineral flame-retardant system. Use a streamlined die and controlled draw-down.

Technical note: Flame propagation and smoke performance are properties of the complete cable construction and should be assessed to the applicable cable standard.

PACKAGING AND STORAGE 25 kg moisture-barrier bags on pallets. Store sealed in a dry area below 30°C. Reseal opened bags and use promptly. Recommended shelf life: 12 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.