

TECHNICAL INFORMATION



ETHYLPLUS 619LD NERO

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BLACK THERMOPLASTIC LOW DENSITY POLYETHYLENE COMPOUND FOR WIRE AND CABLE JACKETING

Description

ETHYLPLUS 619LD NERO is a polyethylene and halogen free compound containing a well dispersed 2.5% carbon black, which guarantees excellent weathering & UV resistance. The properties of this compound comply with the requirements of ASTM D1248, type I, class C category 5, grade E5 & W2-4.

Range material operating temperatures : -30 °C//+90 °C.

Technical characteristics

Property	Test method	Unit	Typical Value
Density	ISO 1183	g/cm ³	0.93
Hardness at 15"	ISO 868	Shore D	46
Tensile strength (v = 250 mm/min)	ISO 527	N/mm ²	> 15.0
Elongation at break (v = 250 mm/min)	ISO 527	%	> 400
Melt Flow Index (190 °C / 2.16 Kg)	ISO 1133	g/10 min	0.35
Volume Resistivity 20 °C (Alternating Polarity Method)	ASTM D257 Electrodes	Ω·cm	>5 · 10¹⁵

The typical values reported in the table have been obtained from measurements made on extruded samples or pressed plates

Processing

This thermoplastic compound has been formulated for an easy processing, and optimal output can be generally achieved on extruders with $L \geq 24D$ using a temperature profile between 160°C and 210°C.

Packaging

Available in 20 Kg PE bags, big bags or oktabin of 1000 Kg.

Our technical service is at your disposal, for further information and assistance.

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