

TECHNICAL INFORMATION



ETHYLPLUS 623 HD NERO

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BLACK THERMOPLASTIC HIGH DENSITY POLYETHYLENE COMPOUND FOR WIRE AND CABLE JACKETING

Description

ETHYLPLUS 623 HD NERO is high molecular weight 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 III, class C category 4, grade E8, E9.

Property	Test method	Unit	Typical Value
Density	ISO 1183	gr/cc	0.960
Hardness at 15"	ISO 868	Shore D	58
Tensile strength at break	ISO 527	N/mm ²	> 18
Elongation at break	ISO 527	%	> 400
Melt Flow Index (2,16Kg at 190°C)	ISO 1133	gr/10 min	0.5
Volume Resistivity 20°C (Alternating Polarity Method)	ASTM D257 Electrodes	Ωcm	> 5 x 10 ¹⁵

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 ≥ 20D using a temperature profile between 180°C and 230°C.

Packaging

ETHYLPLUS 623 HD NERO is available in 20 Kg PE bags, big bags or octabins of 1000 Kg. Our technical service is at your disposal, for further information and assistance.

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