

## TECHNICAL INFORMATION



### ETHYLPLUS 625 MD NERO

March 2012

#### BLACK THERMOPLASTIC MEDIUM DENSITY POLYETHYLENE COMPOUND FOR WIRE AND CABLE JACKETING

##### Description

ETHYLPLUS 625 MD 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 II, class C category 4, grade W6.

##### Technical characteristics of compound:

Property	Test method	Unit	Typical Value
Density	ISO 1183	gr/cc	0.940
Hardness at 15"	ISO 868	Shore D	52
Tensile strength at break (v = 50 mm/min)	ISO 527	N/mm <sup>2</sup>	> 15
Elongation at break (v = 50 mm/min)	ISO 527	%	> 400
Melt Flow Index (2.16Kg AT 190°C)	ISO 1133	gr/10 min	0.60
Volume Resistivity 20°C (Alternating Polarity Method)	ASTM D257 Electrodes	Ωcm	> 1 x 10 <sup>15</sup>

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 ≥ 24D using a temperature profile between 180°C and 230°C.

##### Packaging

ETHYLPLUS 625 MD 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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