

TECHNICAL INFORMATION



PROPYLPLUS 707E

October 2015

EXPANDABLE POLYPROPYLENE COMPOUND FOR CABLE INSULATION

Description

Propylplus 707E is a polypropylene and halogen free compound additivated with a mix of antioxidants, metal deactivator and chemical expanding agent. It's specially designed for the production of cellular insulation in cable applications.

Technical characteristics of solid compound before expansion:

Property	Test method	Unit	Typical Value
Density	ISO 1183	g/cm ³	0.90
Hardness at 15"	ISO 868	Shore D	61
Tensile strength (v = 50 mm/min)	ISO 527	N/mm ²	28.0
Elongation at break (v = 50 mm/min)	ISO 527	%	750
Melt Flow Index (180 °C / 5 Kg)	ISO 1133	g/10 min	8.0
Volume Resistivity 20 °C (Alternating Polarity Method)	ASTM D257 Electrodes	Ω·cm	>1 · 10 ¹⁷
Dielectric Constant (1 MHz)			2.26

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 240 °C.

Packaging

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

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

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