

## TECHNICAL INFORMATION



### ETHYLPLUS 611LE

April 2014

#### THERMOPLASTIC LOW DENSITY POLYETHYLENE COMPOUND FOR CELLULAR INSULATION OF COMMUNICATION CABLES

##### Description

Ethylplus 611 LE is a polyethylene and halogen free compound containing a chemical blowing agent, which ensure a fine foam structure and low electrical losses. It can be used in coaxial applications and for the production of CATV cables.

##### Technical characteristics of the compound in the solid form before expansion:

Property	Test method	Unit	Typical Value
Density	ISO 1183	g/cm <sup>3</sup>	<b>0.93</b>
Hardness at 15"	ISO 868	Shore D	<b>44</b>
Tensile strength ( $v = 250$ mm/min)	ISO 527	N/mm <sup>2</sup>	<b>&gt; 12.0</b>
Elongation at break ( $v = 250$ mm/min)	ISO 527	%	<b>&gt; 300</b>
Melt Flow Index (140 °C / 5 Kg)	ISO 1133	g/10 min	<b>8.0</b>
Volume Resistivity 20 °C (Alternating Polarity Method)	ASTM D257 Electrodes	Ω·cm	<b>&gt; 1 · 10<sup>16</sup></b>

*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  $L \geq 20D$  using a temperature profile set between 120 °C and 160 °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.

**Farauti Industrie Plastiche Srl**  
Zona Ind.le Campolungo II fase  
63100 Ascoli Piceno (AP) – Italia  
tel +39 0736 403605, fax +39 0736 403807  
info@fainplast.com, www.fainplast.com



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