


Datasheet

26/12/2018

Linear Low Density Polyethylene LF321FC
Description:

LF321FC is a Linear Low Density Polyethylene produced by gas phase process, specially developed for XLPE silane cross-linking in monosil process, to use in insulation and jacketing for low voltage wires and cables. This product contains suitable additives, low oligomer rate and very low gel content.

Applications:

Monosil system, Wire insulation, Low voltage XLPE insulation

Processes:

Wire and Cable Extrusion

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	2.7
Density	D 1505	g/cm ³	0.919

Typical Properties - Plaque¹:

Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Break (a)	D 638	MPa	23.9
Elongation at Break (a)	D 638	%	1950
Flexural Modulus - 1% Secant (b)	D 2240	MPa	50
Shore D Hardness (c)	D 1693	-	>1000
Relative Dielectric Constant, 1 KHz	D 150	-	2.2
Dissipation Factor, 1 KHz	D 150	-	0.0003
Dielectric Strength	D 149	kV/mm	41
Volume Resistivity	D 257	ohm.cm	> 1x10 ¹⁵

¹ Test specimens from compression molded plaque according to ASTM D4703. Plaque Thickness: a) 2mm. b) 3mm c) 6mm. NB = No break.

Final Remarks:

- The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
- For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
- For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
- The mentioned values in this report can be changed at any moment without Braskem previous communication.