Braskem

Datasheet
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Linear Low Density Polyethylene LF321FC

Description:

LF321FC is an ethylene alpha-olefin copolymer with a density lower than 0.94, 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/cm³	0.919

Typical Properties - Plaque[1]:

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 - 2% Secant (b)	D 2240	MPa	50
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

1. It is the sole responsibility of the Client/Purchaser of this Product to verify the suitability of this Product and its use for the intended use and to ensure compliance with legal and regulatory requirements applicable to the final product.
2. The technical guidance eventually rendered to the Client/Purchaser of the Product by Braskem about the Product does not characterize a performance guarantee for the intended application, nor does it exempt the Client/Purchaser from the responsibilities described in item 1 above.
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