



Datasheet

26/12/2018

Linear Low Density Polyethylene LL4400SFC

Description:

LL4400SFC is a Linear Low Density Polyethylene that shows specific quality controls for monosil and other Wire and Cable applications. This product contains antioxidant additives and low gel content.

Applications:

Insulation and cable cover, Low voltage XLPE insulation, Medium voltage XLPE insulation, Monosil system

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	0.918

Typical Properties - Plaque¹:

Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Break (a)	D 638	MPa	22
Elongation at Break (a)	D 638	%	800
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. 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.
2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
3. For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
4. The mentioned values in this report can be changed at any moment without Braskem previous communication.