

# Braskem PE LF321FC

Linear Low Density Polyethylene

Braskem

## Message:

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:

Recommended to cross-linking monosil process, to insulation and jacketing for low voltage XLPE wires and cables.

Process:

The optimum processing conditions will vary according to the type of equipment used and cannot be considered as performance guarantee. The optimum processing conditions are 170 - 210°C.

General Information			
Features	Low speed solidification crystal point		
	Crosslinkable		
Uses	Jacketing		
	Cable sheath		
	Wire and cable applications		
	Wire sheath		
	Insulating material		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.7	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 2.00mm, 100% Igepal, molded)	> 1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	23.9	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	2000	%	ASTM D638
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms·cm	ASTM D257
Dielectric Strength	41	kV/mm	ASTM D149
Dielectric Constant (1 kHz)	2.20		ASTM D150
Dissipation Factor (1 kHz)	3.0E-4		ASTM D150

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Recommended distributors for this material

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