

# Braskem PE LL4400 SFC

Linear Low Density Polyethylene

Braskem

## Message:

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:

Recommended to monosil process; insulation 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			
Additive	Antioxidant		
Features	Antioxidant		
	Low Density		
	Low Gel		
Uses	Low Voltage Insulation		
	Wire & Cable Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	22.0	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	800	%	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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