

Borealis LE4212L Polyethylene Insulation Compound, Crosslinkable

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

LE4212L is a natural low-density crosslinkable polyethylene compound. Specifications: IEC 60502-1; and ANSI/ICEA S-66-524. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-LE4212L-Polyethylene-Insulation-Compound-Crosslinkable.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ASTM D792
Melt Flow	2.2 g/10 min @Load 2.16 kg, Temperature 190 °C	2.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	15.9 MPa	2310 psi	20in/min; ASTM D638
Elongation at Break	400 %	400 %	ASTM D638

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+6 ohm-cm	1.00e+6 ohm-cm	ASTM D257
Dielectric Constant	2.3 @Frequency 50000 Hz	2.3 @Frequency 50000 Hz	ASTM D150
Dielectric Strength	>= 21.0 kV/mm @Frequency 50.0 Hz	>= 533 kV/in @Frequency 50.0 Hz	ASTM D149
Dissipation Factor	0.00050	0.00050	ASTM D150

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	

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