

Borealis Supersmooth™ LE0500 Crosslinkable Semiconductive Shielding Compound

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate , Polyolefin

Material Notes:

Supersmooth LE0500 is a crosslinkable compound recommended as conductor and bonded insulation shielding for crosslinked polyethylene insulation. Supersmooth LE0500 is based on an ethylene butyl acrylate copolymer (EBA) and is compatible with copper conductors. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Supersmooth-LE0500-Crosslinkable-Semiconductive-Shielding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in³	ASTM D1928/D 1505

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 4.65 MPa	>= 675 psi	Heat Aging (10 days at 135°C); ASTM D638
	18.6 MPa	2700 psi	ASTM D638
Elongation at Break	180 %	180 %	ASTM D638
Tensile Set	45 %	45 %	Retention; ASTM D638

Electrical Properties	Metric	English	Comments
Electrical Resistivity	25.0 ohm-cm	25.0 ohm-cm	ASTM D991
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	40.0 ohm-cm	40.0 ohm-cm	ASTM D991
	@Temperature 90.0 °C	@Temperature 194 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	115 - 125 °C	239 - 257 °F	
Drying Temperature	50.0 °C	122 °F	

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