

Borealis Supersmooth™ LE0504 Crosslinkable Semiconductive Shielding Compound

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate , Polyolefin

Material Notes:

Supersmooth LE0504 is a crosslinkable compound recommended as conductor and bonded insulation shielding for crosslinked polyethylene insulation. Supersmooth LE0504 is based on an ethylene vinyl acetate copolymer (EVA) and is designed to meet stringent shrinkback requirements for cables with aluminum conductors. It should not be used on copper conductors. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Supersmooth-LE0504-Crosslinkable-Semiconductive-Shielding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.135 g/cc	0.04100 lb/in ³	ASTM D1928/D 1505

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	57	57	ASTM D2240
Tensile Strength, Yield	>= 7.24 MPa	>= 1050 psi	Heat Aging (10 days at 135°C); ASTM D638
	14.5 MPa	2100 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638
Tensile Set	100 %	100 %	Retention; ASTM D638

Electrical Properties	Metric	English	Comments
Electrical Resistivity	10.0 ohm-cm	10.0 ohm-cm	ASTM D991
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1000 ohm-cm	1000 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	70.0 °C	158 °F	

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