

Borealis LE0563 Polyethylene Compound, Thermoplastic, Semiconductive

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

LE0563 is a thermoplastic semi conductive compound specifically designed for medium- and high voltage cable systems requiring improved grounding. It may be used either as a complete jacket or as a thin layer extruded on top of the jacket. This compounds permits easy diagnostic testing of the cable to ensure jacket conformity, allowing confirmation of fault-free cable before and after installation. It provides superior environmental stress crack resistance and good electrical conductivity. Due to the semi conductive properties, it will also provide added protection against lightning strikes. Specifications: BS 6622; IEC 60502; and IEC 60840. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-LE0563-Polyethylene-Compound-Thermoplastic-Semiconductive.php

Physical Properties	Metric	English	Comments
Water Absorption	0.040 %	0.040 %	Karl Fischer-titration
Environmental Stress Crack Resistance	>= 2.0 hour @Temperature 50.0 °C	>= 2.0 hour @Temperature 122 °F	Igepal 10%/Seawater;F0
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 190 °C	25 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	45	45	1s; ISO 868
Tensile Strength at Break	3.125 MPa	453.2 psi	after aging 240h, 100°C;IEC 60811-1-2
	12.5 MPa	1810 psi	25mm/min; ISO 527
Elongation at Break	400 %	400 %	25mm/min; ISO 527

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 50 ohm-cm @Temperature 23.0 °C	<= 50 ohm-cm @Temperature 73.4 °F	ISO 3915
	<= 1000 ohm-cm @Temperature 90.0 °C	<= 1000 ohm-cm @Temperature 194 °F	ISO 3915

Processing Properties	Metric	English	Comments
Zone 1	130 °C	266 °F	
Zone 2	140 °C	284 °F	

Processing Properties	Metric	English	Comments
Zone 4	180 °C	356 °F	
Die Temperature	180 °C	356 °F	
Melt Temperature	140 - 180 °C	284 - 356 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China