

Borealis SuperTR™ LE4212 Scorch Retardant, Crosslinkable Polyethylene, Water Tree Retardant Insulation for Me Power Cables

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Wire/Cable Grade

Material Notes:

SuperTR LE4212 is a natural, crosslinkable low density polyethylene compound, which has water tree retardant and scorch retardant properties. SuperTR LE4212 has been specifically developed as a scorch retardant, water tree retardant insulation for long life, medium voltage power cables. Because it is a Superclean material, it can be used for voltages up to 276kV. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-SuperTR-LE4212-Scorch-Retardant-Crosslinkable-Polyethylene-Water-Tree-Retardant-Insulation-for-Me-Power-Cables.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	Base Resin; ASTM D1928/D 1505
Degree of Crosslinking	12 %	12 %	ASTM D2765

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	ASTM D2240
Tensile Strength, Yield	>= 14.3 MPa	>= 2070 psi	Heat Aging (168 hrs at 136°C); ASTM D638
	15.9 MPa	2300 psi	At 20 in/min; ASTM D638
Elongation at Break	<= 75 %	<= 75 %	Hot Creep Test (150°C, 29 psi); ICEA T-28-562
	360 %	360 %	Heat Aging (168 hrs at 136°C); ASTM D412
	400 %	400 %	ASTM D638
Tensile Set	5.0 %	5.0 %	Hot Creep Test (150°C, 29 psi); ICEA-T-28-562

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -76.0 °C	<= -105 °F	ASTM D746

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Constant	<= 2.3	<= 2.3	ASTM D150
	@Frequency 50 Hz	@Frequency 50 Hz	

Dielectric Strength Electrical Properties	≥ 21.7 kV/mm Metric	≥ 550 kV/in English	ASTM D149 Comments
Dissipation Factor	0.00050 @Frequency 50 Hz	0.00050 @Frequency 50 Hz	ASTM D150

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