

## Borealis Low Sulfur™ LE0594 Crosslinkable Semiconductive Compound for Shielding of Power Cables

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

### Material Notes:

Low Sulphur LE0594 is designed for use as a conductor and bonded insulation shield for medium and high voltage cables. LE0594 is a peroxide crosslinkable compound and is specifically intended to meet cable specifications based on crosslinked polyethylene insulations. It lends itself readily to various manufacturing processes including triple extrusion. Low Sulphur LE0594 is based on an ethylene vinyl acetate copolymer (EVA) and is designed to meet the 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-Low-Sulfur-LE0594-Crosslinkable-Semiconductive-Compound-for-Shielding-of-Power-Cables.php](http://www.lookpolymers.com/polymer_Borealis-Low-Sulfur-LE0594-Crosslinkable-Semiconductive-Compound-for-Shielding-of-Power-Cables.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in <sup>3</sup>	ASTM D1928/D 1505

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 7.24 MPa	>= 1050 psi	Heat Aging (168 hrs at 150°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	25.0 ohm-cm	25.0 ohm-cm	ASTM D991
	40.0 ohm-cm	40.0 ohm-cm	ASTM D991
	@Temperature 40.0 °C	@Temperature 104 °F	
	80.0 ohm-cm	80.0 ohm-cm	ASTM D991
	@Temperature 60.0 °C	@Temperature 140 °F	
	325 ohm-cm	325 ohm-cm	ASTM D991
	@Temperature 80.0 °C	@Temperature 176 °F	
	400 ohm-cm	400 ohm-cm	ASTM D991
	@Temperature 130 °C	@Temperature 266 °F	
	525 ohm-cm	525 ohm-cm	ASTM D991
	@Temperature 100 °C	@Temperature 212 °F	

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Middle Barrel Temperature	>= 110 °C	>= 230 °F	
Front Barrel Temperature	>= 100 °C	>= 212 °F	
Die Temperature	>= 120 °C	>= 248 °F	
Head Temperature	>= 120 °C	>= 248 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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