

## Borealis LE0310-44 Polyethylene Compound, Crosslinkable, Semiconductive

Category : Polymer , Thermoplastic , Polyethylene (PE)

**Material Notes:**

LE0310-44 is a strippable semi conductive insulation shield for insulated, medium voltage (5-46kV) cables. Strip force range from 7 to 14 lbs/0.5". Specifications: NF C33-223; UTE C 33-223; AEIC CS8-00 (1st edition); IEC 60502; ICEA S-97-682; BS 6622; ICEA S-94-649; and NF C33-223. Information provided by Borealis AG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-LE0310-44-Polyethylene-Compound-Crosslinkable-Semiconductive.php](http://www.lookpolymers.com/polymer_Borealis-LE0310-44-Polyethylene-Compound-Crosslinkable-Semiconductive.php)

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	13.0 MPa	1890 psi	ASTM D638
Elongation at Break	>= 75 %	>= 75 %	after aging 7days @ 136°C; ASTM D638
	300 %	300 %	ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -35.0 °C	<= -31.0 °F	ASTM D746

Electrical Properties	Metric	English	Comments
Volume Resistivity	50 ohm-cm	50 ohm-cm	ASTM D991
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	90 ohm-cm	90 ohm-cm	ASTM D991
	@Temperature 90.0 °C	@Temperature 194 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	<= 230 °C	<= 446 °F	cable surface temperature in curing tube
Shelf Life	12.0 Month	12.0 Month	

## Contact Songhan Plastic Technology Co.,Ltd.

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