

Borealis LE0315 Polyethylene Compound, Crosslinkable, Semiconductive

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

LE0315 is an Easy Strippable Semi conductive Insulation Shield for EPR Insulated, Medium Voltage (5-46 kV) Cables. Strip forces range from 5 to 10 lbs/0.5". Specifications: LE0315 meets the applicable requirements below using sound commercial extrusion practice and testing procedures: AEIC CS8-00 (1st edition); ICEA S-94-649; and ICEA S-97-682 Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-LE0315-Polyethylene-Compound-Crosslinkable-Semiconductive.php

| Mechanical Properties | Metric | English | Comments |
|---------------------------|----------|----------|-------------------------------------|
| Tensile Strength at Break | 11.0 MPa | 1600 psi | ASTM D638 |
| Elongation at Break | <= 75 % | <= 75 % | after aging 168h @ 136°C; ASTM D638 |
| | 250 % | 250 % | ASTM D638 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|------------------------------------|------------------------------------|-----------|
| Volume Resistivity | 100 ohm-cm @Temperature 23.0 °C | 100 ohm-cm @Temperature 73.4 °F | ASTM D991 |
| | 100 ohm-cm @Temperature 90.0 °C | 100 ohm-cm @Temperature 194 °F | ASTM D991 |

| Processing Properties | Metric | English | Comments |
|-----------------------|------------|------------|----------|
| Shelf Life | 12.0 Month | 12.0 Month | |

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