

## Borealis LE0151 Easy Strippable Semiconductive Insulation Shield for Medium Voltage Power Cables

Category : Polymer , Thermoplastic , Polyolefin , Polyolefin , Wire/Cable Grade

### Material Notes:

LE0515 is an easy strippable crosslinkable semi conductive insulation shield compound designed for medium voltage (5kV-46kV) power cable applications. Application: LE0515 is especially suitable for use in triple extrusion processes. Strip forces in the range of 0.85 – 2.15 kN/m (2-5 lbs/0.5" have been found on cables from dry cure vulcanization lines. Stripping of LE0515 from the surface of the insulation is readily initiated, and it continues easily over a wide range of temperatures without tearing. It leaves a clean insulation surface.

Specifications: IEC 60502; BS 6622; NF C33-223/UTE C33-223/NF C33-226; AEIC CS 8-00; 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-LE0151-Easy-Strippable-Semiconductive-Insulation-Shield-for-Medium-Voltage-Power-Cables.php](http://www.lookpolymers.com/polymer_Borealis-LE0151-Easy-Strippable-Semiconductive-Insulation-Shield-for-Medium-Voltage-Power-Cables.php)

| Physical Properties | Metric    | English                   | Comments          |
|---------------------|-----------|---------------------------|-------------------|
| Density             | 1.15 g/cc | 0.0415 lb/in <sup>3</sup> | ASTM D1928C/D 792 |

| Mechanical Properties     | Metric   | English  | Comments                   |
|---------------------------|----------|----------|----------------------------|
| Tensile Strength at Break | 9.90 MPa | 1440 psi | after aging 7 days @ 136°C |
|                           | 11.0 MPa | 1600 psi | ASTM D412                  |
| Elongation at Break       | >= 100 % | >= 100 % | after aging 7 days @ 136°C |
|                           | 250 %    | 250 %    | ASTM D412                  |

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

| Processing Properties | Metric  | English | Comments |
|-----------------------|---------|---------|----------|
| Zone 1                | 49.0 °C | 120 °F  |          |
| Zone 2                | 82.0 °C | 180 °F  |          |
| Zone 3                | 93.0 °C | 199 °F  |          |
| Zone 4                | 104 °C  | 219 °F  |          |

| Die Temperature<br>Processing Properties | 115 °C<br>Metric | 239 °F<br>English | Comments       |
|--|------------------|-------------------|----------------|
| Die Cooling Temperature                  | 25.0 °C          | 77.0 °F           | hopper cooling |

## 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