

## Trelleborg Horda Cable E6352-A2 Bonded Semiconductive Shielding And Conductor Screen

Category : Polymer , Thermoset

### Material Notes:

E6352-A2 is a crosslinkable semiconductive compound based on ethylene copolymer compound, designed for conductor screen and insulation shield applications in XLPE and EPDM insulated cables with bonded shield. E6342-A2 Have good compatibility with copper and aluminum conductors Excellent surface smoothness Good scorch resistance Good stability with high temperature curing All information provided by Horda Cable Compounds

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Trelleborg-Horda-Cable-E6352-A2-Bonded-Semiconductive-Shielding-And-Conductor-Screen.php](http://www.lookpolymers.com/polymer_Trelleborg-Horda-Cable-E6352-A2-Bonded-Semiconductive-Shielding-And-Conductor-Screen.php)

| Physical Properties | Metric               | English                   | Comments   |
|---------------------|----------------------|---------------------------|------------|
| Density             | 1.14 g/cc            | 0.0412 lb/in <sup>3</sup> | ASTM D1928 |
|                     | @Temperature 23.0 °C | @Temperature 73.4 °F      |            |
| Mooney Viscosity    | 25                   | 25                        | ISO 289    |
|                     | @Temperature 121 °C  | @Temperature 250 °F       |            |

| Mechanical Properties   | Metric    | English  | Comments                              |
|-------------------------|-----------|----------|---------------------------------------|
| Hardness, Shore A       | 85 - 90   | 85 - 90  | ASTM D2240                            |
| Tensile Strength, Yield | 14.25 MPa | 2067 psi | after aging 1 week @ 135°C; ASTM D638 |
|                         | 15.0 MPa  | 2180 psi | ASTM D638                             |
| Elongation at Break     | 176 %     | 176 %    | after aging 1 week @ 135°C; ASTM D638 |
|                         | 220 %     | 220 %    | ASTM D638                             |

| Electrical Properties | Metric               | English              | Comments  |
|-----------------------|----------------------|----------------------|-----------|
| Volume Resistivity    | <= 100 ohm-cm        | <= 100 ohm-cm        | ASTM D257 |
|                       | @Temperature 23.0 °C | @Temperature 73.4 °F |           |
|                       | <= 1000 ohm-cm       | <= 1000 ohm-cm       | ASTM D257 |
|                       | @Temperature 90.0 °C | @Temperature 194 °F  |           |
|                       | <= 1000 ohm-cm       | <= 1000 ohm-cm       | ASTM D257 |
|                       | @Temperature 120 °C  | @Temperature 248 °F  |           |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
|-----------------------|--------|---------|----------|

| Middle Barrel Temperature<br>Processing Properties | 80.0 - 120 °C<br>Metric | 176 - 248 °F<br>English | Comments  |
|--|-------------------------|-------------------------|---|
| Head Temperature                                   | 115 - 125 °C            | 239 - 257 °F            |   |
| Screw Cooling Temperature                          | 50.0 - 70.0 °C          | 122 - 158 °F            |   |
| Drying Temperature                                 | <= 60.0 °C              | <= 140 °F               | Dehumidified hopper drying for up to five hours |
| Moisture Content                                   | <= 0.060 %              | <= 0.060 %              | QAHC-10420 (Karl Fischer method)                |

| Descriptive Properties | Value | Comments                              |
|------------------------|-------|---------------------------------------|
| Hot Set (%)            | 30-40 | 200°C, 20 N/cm <sup>2</sup> ; IEC 540 |

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