

Trelleborg Horda Cable E7310 Bonded Insulation Shielding And Conductor Screen

Category : Polymer , Thermoset

Material Notes:

E7310 is a silane crosslinkable semiconductive compound for medium voltage cables. The material is designed as a conductor screen and bonded insulation shielding. E7310 meets the requirements as below, when optimal processing, extrusion and crosslinking procedure are used: BS 6622 IEC 60502-2 All information provided by Horda Cable Compounds

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trelleborg-Horda-Cable-E7310-Bonded-Insulation-Shielding-And-Conductor-Screen.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc @Temperature 23.0 °C	0.0397 lb/in ³ @Temperature 73.4 °F	ASTM D1928

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85 - 90	85 - 90	ASTM D2240
Tensile Strength, Yield	19.0 MPa	2760 psi	after aging 1 week @ 135°C; ASTM D638
	20.0 MPa	2900 psi	ASTM D638
Elongation at Break	140 %	140 %	after aging 1 week @ 135°C; ASTM D638
	200 %	200 %	ASTM D638

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

Processing Properties	Metric	English	Comments
Drying Temperature	<= 60.0 °C	<= 140 °F	pellets below 300 PPM (Karl Fischer method)
Moisture Content	<= 0.050 %	<= 0.050 %	QAHC-10420 (Karl Fischer method)

Descriptive Properties	Value	Comments
Hot Set (%)	20/5	200°C, 20 N/cm ² ; IEC 540

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