

Trelleborg Horda Cable E8900 Strippable Semiconductive Shielding

Category : Polymer , Thermoset

Material Notes:

E8900 is a vulcanizable, strippable semiconductive compound, designed for both XLPE and EPDM rubber insulated cables and use in both dry and steam curing processes. E8900 meets the requirements as below, when optimal processing, extrusion, and end testing procedure are used: AEIC-CS 5/94BS 6622HN 33-S-23 (EDF) IEC 502 IEC 840NF CS 32/321SS 424 14 16, SS 424 14 17 (HD 620 S1:1996) VDE 0273 / 12.87 All information provided by Horda Cable Compounds

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trelleborg-Horda-Cable-E8900-Strippable-Semiconductive-Shielding.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc @Temperature 23.0 °C	0.0441 lb/in ³ @Temperature 73.4 °F	ASTM D1928

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90 - 95	90 - 95	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	200 %	200 %	after aging 1 week @ 135°C; ASTM D638
	250 %	250 %	ASTM D638

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 500 ohm-cm @Temperature 23.0 °C	<= 500 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
Middle Barrel Temperature	60.0 - 110 °C	140 - 230 °F	
Head Temperature	100 - 130 °C	212 - 266 °F	
Screw Cooling Temperature	40.0 - 50.0 °C	104 - 122 °F	

Processing Properties	Metric	English	Comments
Drying Temperature	≤ 40.0 °C	≤ 104 °F	
Moisture Content	≤ 0.080 %	≤ 0.080 %	QAHC-10420 (Karl Fischer method)

Descriptive Properties	Value	Comments
Hot Set (%)	50/10	200°C, 20 N/cm ² ; IEC 540
Insulation Shield Stripping Force (N/cm)	40-50	@ 90°

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