

Trelleborg Horda Cable E8465 Easy Strippable Semiconductive Shielding

Category : Polymer , Thermoset

Material Notes:

E8551 is a vulcanizing, strippable semiconductive compound, designed for both XLPE and EPDM rubber insulated cables and use in both dry and steam curing processes. E8551 meets the requirements as below, when optimal processing, extrusion, and end testing procedure are used: AEIC CS8 (latest edition) BS 6622 IEC 60502 NF C 33-223 NEMA WC 7-1996/ICEA S-95-658 All information provided by Horda Cable Compounds

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trelleborg-Horda-Cable-E8465-Easy-Strippable-Semiconductive-Shielding.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc @Temperature 23.0 °C	0.0426 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	10.45 MPa	1516 psi	after aging 1 week @ 135°C; ASTM D638
	11.0 MPa	1600 psi	ASTM D638
Elongation at Break	135 %	135 %	after aging 1 week @ 135°C; ASTM D638
	270 %	270 %	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	75.00 °F	
Moisture Content	<= 0.080 %	<= 0.080 %	QAHC-10420 (Karl Fischer method)

Descriptive Properties	Value	Comments
Hot Set (%)	70/10	200°C, 20 N/cm²; IEC 540
Insulation Shield Stripping Force (N/cm)	12-22	@ 90°

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