

Trelleborg Horda Cable E8561 Strippable Semiconductive Shielding

Category : Polymer , Thermoset

Material Notes:

E8561 is a vulcanizing, strippable semiconductive compound, designed for both XLPE and EPDM rubber insulated cables and use in both dry and steam curing processes. E8561 meets the requirements as below, when optimal processing, extrusion, and end testing procedure are used: AEIC-CS8BS 6622IEC 60502NF C 33-223NEMA 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-E8561-Strippable-Semiconductive-Shielding.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ASTM D1928
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Mooney Viscosity	17 - 21	17 - 21	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	11.7 MPa	1700 psi	after aging 1 week @ 135°C; ASTM D638
	13.0 MPa	1890 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	<= 500 ohm-cm	<= 500 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	60.0 - 110 °C	140 - 230 °F	
Head Temperature	100 - 130 °C	212 - 266 °F	

Processing Properties	Metric	English	Comments
Screw Cooling Temperature	40.0 - 50.0 °C	104 - 122 °F	
Drying Temperature	<= 40.0 °C	<= 104 °F	
Moisture Content	<= 0.080 %	<= 0.080 %	QAHC-10420 (Karl Fischer method)

Descriptive Properties	Value	Comments
Hot Set (%)	70/20	200°C, 20 N/cm ² ; IEC 540
Insulation Shield Stripping Force (N/cm)	20-30	@ 90°

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