

## Trelleborg Horda Cable E8406 Easy Strippable Semiconductive Shielding

Category : Polymer , Thermoset

### Material Notes:

E8406 is a vulcanizable, strippable semiconductive compound, designed for both XLPE and EPDM rubber insulated cables and use in both dry and steam curing processes. E8406 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-E8406-Easy-Strippable-Semiconductive-Shielding.php](http://www.lookpolymers.com/polymer_Trelleborg-Horda-Cable-E8406-Easy-Strippable-Semiconductive-Shielding.php)

Physical Properties	Metric	English	Comments
Density	1.21 g/cc @Temperature 23.0 °C	0.0437 lb/in <sup>3</sup> @Temperature 73.4 °F	ASTM D1928

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85 - 90	85 - 90	ASTM D2240
Tensile Strength, Yield	12.35 MPa	1791 psi	after aging 1 week @ 135°C; ASTM D638
	13.0 MPa	1890 psi	ASTM D638
Elongation at Break	180 %	180 %	after aging 1 week @ 135°C; ASTM D638
	240 %	240 %	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 (%)	60/10	200°C, 20 N/cm <sup>2</sup> ; IEC 540
Insulation Shield Stripping Force (N/cm)	15-25	@ 90°

## Contact Songhan Plastic Technology Co.,Ltd.

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