Horda E8415

Ethylene Vinyl Acetate Copolymer

Horda Cable Compounds

Message:

Easy Strippable Semiconductive Shielding
E8415 is a vulcanizing, easy-strippable semiconductive compound, designed for both XLPE and EPDM rubber insulated cables and use in both dry and steam curing processes.
E8415 meets the requirements as below, when optimal processing extrusion and end testing procedure are used:
AEIC CS8 (latest edition)
NEMA WC 7-1996/ICEA S-95-658
BS 6622
IEC 60502
NF C 33-223

General Information			
Features	Semi-conductive Peelable Vulcanable Vapor curing		
Uses	Cable sheath Insulation shield		
Agency Ratings	AEIC CS8 BS 6622 ICEA S-95-658 IEC 60502 NEMA WC-7 NFC 32-323		
Forms	Particle		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.19	g/cm³	ASTM D1928
Moisture Content [1]		ppm	Internal method
Thermoset [2] (200°C)	60 - 80	%	IEC 60540
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	85 - 90		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	11.0	MPa	ASTM D638
Tensile Elongation (Break)	270	%	ASTM D638
Aging	**Nominal Value**	**Unit**	**Test Method**

Change in Tensile Strength in Air (135°C, 168 hr)	-5.0	%	ASTM D638
Change in Ultimate Elongation in Air (135°C, 168 hr)	-50	%	ASTM D638
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity			ASTM D257
23°C	> 5.0E+2	ohms·cm	ASTM D257
90°C	< 1.0E+3	ohms·cm	ASTM D257
120°C	< 1.0E+3	ohms·cm	ASTM D257
Extrusion	**Nominal Value**	**Unit**	
Drying Temperature	< 40	°C	
Cylinder Zone 1 Temp.	60 - 110	°C	
Cylinder Zone 2 Temp.	60 - 110	°C	
Cylinder Zone 3 Temp.	60 - 110	°C	
Cylinder Zone 4 Temp.	60 - 110	°C	
Cylinder Zone 5 Temp.	60 - 110	°C	
Die Temperature	100 - 130	°C	
Extrusion instructions			
Screw cooling: 40 to 50 °C			
NOTE			
1.	QAHC-10420 (Karl Fischer method)		
2.	20 N/cm^2		

Recommended distributors for this material

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