

# Horda E6710

Polyethylene Copolymer

Horda Cable Compounds

Message:

E6710 is a thermoplastic semi conductive compound designed for insulator and conductor screen for medium voltage cores, based on ethylene copolymer compound.

It offers good thermo mechanical properties and good surface finish. Specifications E6710 meets the requirements as below, when optimal processing extrusion and end testing procedure are used:

AEIC-CS 8 (latest edition)

BS 6622

IEC: 60502

General Information			
Features	Semi-conductive		
	Copolymer		
	Excellent appearance		
Uses	Cable sheath		
	Wire and cable applications		
Agency Ratings	AEIC CS8		
	BS 6622		
	IEC 60502		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm <sup>3</sup>	ASTM D1928
Mooney Viscosity (ML 1+4, 121°C)	27	MU	ISO 289
Moisture <sup>1</sup>		ppm	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	11.0	MPa	ASTM D638
Tensile Elongation (Break)	240	%	ASTM D638
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity			ASTM D257
23°C	< 2.0E+2	ohms · cm	ASTM D257
90°C	< 1.0E+3	ohms · cm	ASTM D257
Extrusion	Nominal Value	Unit	
Drying Temperature	< 60	°C	
Hopper Temperature	80 - 100	°C	
Cylinder Zone 1 Temp.	130 - 200	°C	
Cylinder Zone 2 Temp.	130 - 200	°C	
Cylinder Zone 3 Temp.	130 - 200	°C	

Cylinder Zone 4 Temp.	130 - 200	°C
Cylinder Zone 5 Temp.	130 - 200	°C
Die Temperature	180 - 200	°C

#### Extrusion instructions

Neck Temperature: 180 to 200°C Head Temperature: 180 to 200°C

#### NOTE

1. QAHC-10420 (Karl Fischer method)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT