

Daelim Po1y® HX100S

High Density Polyethylene

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®HX100S is a high density polyethylene product. It can be processed by injection molding and is available in the Asia-Pacific region. Daelim Po1y®The application areas of HX100S include electrical/electronic applications and wire and cable.

Features include:

High resistance to environmental stress fracture (ESCR)

Good processability

General Information			
Features	High ESCR (Stress Cracking Resistance)		
	Antioxidation		
	Workability, good		
Uses	Telephone insulator		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 4, Grade E8		
	ASTM D 1248, III, Class A, Cat. 4, Grade E9		
	REA PE-39		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.948	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.75	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F0)	> 60.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2.06	MPa	ASTM D638
Tensile Elongation (Break)	700	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+3	ohms·cm	ASTM D257
Dielectric Constant (1 MHz)	2.32		ASTM D150
Dissipation Factor (1 MHz)	1.0E-4		ASTM D150
Additional Information			
Agency Ratings: REA PE-23(Dry), REA PE-200Dielectric Contant, ASTM D150, 1 MHz: <2.32Dissipation Factor, ASTM D150, 1 MHz: 1016 ohm-cmTSCR, ASTM D2951, 100°C, 96 hr: 0/10 ea			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 280	°C	

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