

# Daelim Po1y® HX-250BL

High Density Polyethylene  
DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®HX-250BL is a high density polyethylene product. It can be processed by injection molding and is available in the Asia-Pacific region. Daelim Po1y®HX-250BL applications include electrical/electronic applications, wire and cable, and coating applications. Features include:  
High resistance to environmental stress fracture (ESCR)  
Good processability

General Information			
Features	High ESCR (Stress Cracking Resistance)		
	Antioxidation		
	Workability, good		
Uses	Protective cover		
	Optical fiber cable		
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		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.25	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F0)	> 500	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	18.0	MPa	ASTM D638
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Constant (1 MHz)	2.50		ASTM D150
Dissipation Factor (1 MHz)	1.0E-4		ASTM D150
Additional Information			
Agency Ratings: REA PE-23(Dry), REA PE-200Tensile Strength @ Yield, ASTM D638: >600%OIT, ASTM D3895, 200°C, Copper Pan: >60 minDielectric Constant, ASTM D150, 1 MHz: <2.5Dissipation Factor, ASTM D150, 1MHz: 1E16 ohm-cm			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 280	°C	

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