

# Daelim Po1y® HX-100

High Density Polyethylene  
DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®HX-100 is a high density polyethylene product. It can be processed by extrusion coating and is available in Asia Pacific region. Typical application areas are: wire and cable.  
Features include:  
Good processability  
beautiful

General Information			
Features	Antioxidation		
	Workability, good		
	Good appearance		
Uses	Wire and cable applications		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 4		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Density	0.947	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 200	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	25.5	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	700	%	ASTM D638
Flexural Modulus	863	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.0	°C	ASTM D746
Additional Information			
Elongation at Break, ASTM D-638, Type VI, 50 mm/min: >700Brittleness Temperature, ASTM D-746: <-76°C			
Extrusion	Nominal Value	Unit	
Melt Temperature	180 - 250	°C	
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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