

Daelim Po1y® LH-4100BL

High Density Polyethylene
DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y® LH-4100BL is a High Density Polyethylene product. It can be processed by profile extrusion and is available in Asia Pacific. Typical application: Plumbing/Piping/Potable Water.
Characteristics include:
Hexene Comonomer
High ESCR (Stress Crack Resistant)
Impact Resistant
Wear Resistant

General Information			
Features	Durable		
	Hexene Comonomer		
	High ESCR (Stress Crack Resist.)		
	Ultra High Impact Resistance		
Uses	Piping		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 5		
	ISO/DIS 12162 - MRS 10 MPa, PE100		
Appearance	Black		
Forms	Pellets		
Processing Method	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.959	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.30	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F0)	> 2000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	24.5	MPa	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Flexural Modulus	883	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Oxidation Induction Time (200°C) ²	> 60	min	ASTM D3895
Pigment Dispersion	Category 1 or 2		ASTM D5596
Pipe Properties			ISO 1167
20°C ³	> 4.2	day	
80°C ⁴	> 6.9	day	

80°C ⁵	> 41.7	day
Extrusion	Nominal Value	Unit
Melt Temperature	190 to 220	°C
NOTE		
1.	50 mm/min	
2.	AL Pan	
3.	PE 100, 12.4 MPa	
4.	PE 100, 5.5 MPa	
5.	PE 100, 5.0 MPa	

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Recommended distributors for this material

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