

Daelim Po1y® LH-4100SK

High Density Polyethylene

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y® LH-4100SK is a High Density Polyethylene product. It 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		
	Good Impact Resistance		
	Hexene Comonomer		
	High ESCR (Stress Crack Resist.)		
Uses	Piping		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 5		
	ISO/DIS 12162 - MRS 10 MPa, PE100		
Appearance	Light Blue		
Physical	Nominal Value	Unit	Test Method
Density	0.959	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.35	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F20)	> 2000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	24.5	MPa	ASTM D638
Tensile Elongation ² (Break)	> 600	%	ASTM D638
Flexural Modulus	883	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Oxidation Induction Time (200°C) ³	> 60	min	ASTM D3895
Pigment Dispersion	1 or 2		ASTM D5596
Pipe Properties			ISO 1167
20°C ⁴	> 4.2	day	
80°C ⁵	> 41.7	day	
80°C ⁶	> 6.9	day	
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 220	°C	

NOTE	
1.	50 mm/min
2.	50 mm/min
3.	Al Pan
4.	PE 100, 12.4 MPa
5.	PE 100, 5.0MPa
6.	PE 100, 5.5 MPa

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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

