

Daelim Po1y® LH-402

High Density Polyethylene

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y® LH-402 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:

Good Processability

Hexene Comonomer

High ESCR (Stress Crack Resistant)

Impact Resistant

Wear Resistant

General Information			
Features	Durable		
	Good Processability		
	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 8 MPa, PE80		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.944	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.14	g/10 min	
190°C/5.0 kg	0.62	g/10 min	
Environmental Stress-Cracking Resistance (F0)	> 3000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	22.6	MPa	ASTM D638
Tensile Elongation ² (Break)	> 600	%	ASTM D638
Flexural Modulus	785	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) ³	> 40	min	ASTM D3895
Pipe Properties - PE80			ISO 1167

20°C ⁴	> 1	yr
80°C ⁵	> 1	yr
80°C ⁶	> 1	yr
Extrusion	Nominal Value	Unit
Melt Temperature	190 to 220	°C
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	Al Pan	
4.	9.0MPa	
5.	4.0MPa	
6.	4.6MPa	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

