

Daelim Po1y® TR-418YL

High Density Polyethylene

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y® TR-418YL 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)

General Information			
Features	Good Processability Hexene Comonomer High ESCR (Stress Crack Resist.)		
Uses	Oil/Gas Applications Piping		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 5 ISO/DIS 12162 - MRS 8 MPa, PE80		
Appearance	Yellow		
Forms	Pellets		
Processing Method	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.939	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F0)	> 2000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	18.6	MPa	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Flexural Modulus	686	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -118	°C	ASTM D746
Oxidation Induction Time ² (200°C)	> 60	min	ASTM D3895
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 220	°C	
NOTE			
1.	50 mm/min		

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