

# Daelim Po1y® TR-418BLP

High Density Polyethylene  
DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y® TR-418BLP 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	Oil/Gas Applications		
	Piping		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 5		
	ISO/DIS 12162 - MRS 8 MPa, PE80		
Appearance	Black		
Forms	Pellets		
Processing Method	Profile Extrusion		
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)	0.24	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F0)	> 2000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (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 <sup>2</sup> (200°C)	> 60	min	ASTM D3895
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 220	°C	
NOTE			

- |    |           |
|----|-----------|
| 1. | 50 mm/min |
| 2. | AI Pan    |

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#### Recommended distributors for this material

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