

Daelim Po1y® TR-402

High Density Polyethylene

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y® TR-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

Good Stiffness

Impact Resistant

General Information			
Features	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
Uses	Piping		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 5		
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) (190°C/2.16 kg)	0.11	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 2000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	22.6	MPa	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Flexural Modulus	785	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, 6.00 mm	> 200	J/m	
23°C, 6.00 mm	No Break		
Thermal	Nominal Value	Unit	Test Method
Oxidation Induction Time ² (200°C)	> 40	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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