

Daelim Po1y® DHC-1

High Density Polyethylene

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y® DHC-1 is a High Density Polyethylene product. It is available in Asia Pacific. Typical application: Plumbing/Piping/Potable Water.

Characteristics include:

Good UV Resistance

Hexene Comonomer

High ESCR (Stress Crack Resistant)

Impact Resistant

Wear Resistant

General Information			
Features	Durable		
	Good Impact Resistance		
	Good UV Resistance		
	Hexene Comonomer		
	High ESCR (Stress Crack Resist.)		
Uses	Piping		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 5		
	ISO/DIS 12162 - MRS 8 MPa, PE80		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.58	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F20)	> 2000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	22.6	MPa	ASTM D638
Tensile Elongation ² (Break)	> 600	%	ASTM D1708
Flexural Modulus	785	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.00 mm)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Oxidation Induction Time ³ (200°C)	> 60	min	ASTM D3895
Pigment Dispersion	1 or 2		ASTM D5596
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 220	°C	
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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