

Daelim Po1y® TR-570H

High Density (HMW) Polyethylene

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®TR-570H is a high density (HMW) polyethylene product. It can be processed by blow molding and is available in the Asia-Pacific region. Daelim Po1y®TR-570H application areas include bottles, containers and food contact applications.

Features include:

high molecular weight

Impact resistance

General Information			
Features	Low density		
	High molecular weight		
	Impact resistance, high		
	Good cracking resistance		
	Good melt strength		
Uses	Drum		
	Bottle		
Agency Ratings	ASTM D 1248, IV, Class A, Cat. 5		
	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.040	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	1000	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.5	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	1270	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-118	°C	ASTM D746
Additional Information			
Ultimate Elongation, ASTM D-638, Type VI Spec, 50 mm/min: >600%Brittle Temperature, ASTM D-746: <-118°C			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 220	°C	

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