

# Daelim Po1y® TR-570

High Density (HMW) Polyethylene

DAELIM INDUSTRIAL CO., LTD.

## Message:

Daelim Po1y®TR-570 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-570 application areas include bottles, containers and food contact applications.

Features include:

high molecular weight

Good processability

Impact resistance

General Information			
Features	High molecular weight		
	Impact resistance, high		
	Workability, good		
	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 <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	3.2	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	1000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.5	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.0	°C	ASTM D746
Additional Information			
Ultimate Elongation, ASTM D-638: >600%Brittle Temperature, ASTM D-746: 1000 hr			

Injection	Nominal Value	Unit
Processing (Melt) Temp	190 - 230	°C

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