

Daelim Po1y® TR-580

High Density Polyethylene

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®TR-580 is a high density polyethylene product. It can be processed by blow molding and is available in the Asia-Pacific region. Daelim Po1y®TR-580 application areas include container and food contact applications.

Features include:

High resistance to environmental stress fracture (ESCR)

Good processability

accessible food

Impact resistance

General Information			
Features	Ultra-high impact resistance		
	High ESCR (Stress Cracking Resistance)		
	High melt stability		
	Workability, good		
	Compliance of Food Exposure		
Uses	Drum		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 5		
	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.9	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 700	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.5	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	12000	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			
Tensile Elongation @ Brk, ASTM D638: >600%Brittle Temperature, ASTM D746: <-76°C			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 230	°C	

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