

# Daelim Po1y® 50100

High Density Polyethylene  
DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y® 50100 is a High Density Polyethylene product. It can be processed by blow molding and is available in Asia Pacific. Applications of Daelim Po1y® 50100 include containers, food contact applications and sheet.

Characteristics include:

Good Processability

Impact Resistant

General Information			
Features	Good Impact Resistance		
	Good Melt Strength		
	Good Processability		
Uses	Containers		
	Sheet		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 5		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.948	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	10	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 600	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.5	MPa	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Flexural Modulus	981	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-20°C)	490	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 230	°C	

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Recommended distributors for this material

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WECHAT