

# Daelim Po1y® 5502-03LD

High Density Polyethylene

DAELIM INDUSTRIAL CO., LTD.

## Message:

Daelim Po1y® 5502-03LD is a High Density Polyethylene product. It can be processed by blow molding and is available in Asia Pacific. Applications of Daelim Po1y® 5502-03LD include food contact applications, bottles, consumer goods and household applications.

Characteristics include:

Good Processability

Good Stiffness

Impact Resistant

General Information			
Features	Good Impact Resistance Good Processability Good Stiffness		
Uses	Bottles Cosmetics Household Goods Non-specific Food Applications		
Agency Ratings	ASTM D 1248, II, Class A, Cat. 5 FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.18	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	35.0	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	1180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-20°C)	390	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 200	°C	

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