

HIVOREX 5200B

High Density Polyethylene

Lotte Chemical Corporation

Message:

HIVOREX 5200B is produced by slurry process technology.

This resin is ideally suited for use in blow molding application.

HIVOREX 5200B is designed to offer high stiffness, excellent impact resistance, good resistance at low temp and chemicals resistance.

General Information			
Features	Good Chemical Resistance		
	Good Impact Resistance		
	High Stiffness		
	Low Temperature Resistant		
Uses	Blow Molding Applications		
	Bottles		
	Toys		
RoHS Compliance	RoHS Compliant		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.963	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	30.0	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.4	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1470	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	540	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	125	°C	ASTM D1525

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Recommended distributors for this material

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