

High Density Polyethylene
Lotte Chemical Corporation

Product Description

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.

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• Lotte Chemical Corporation		
Availability	• Asia Pacific • Asia Pacific	• Europe • Europe	• North America • North America
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/cm³	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

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.