

HIVOREX 5220B

High Density Polyethylene

Lotte Chemical Corporation

Technical Data

Product Description

HIVOREX 5220B is produced by slurry process technology.
This resin is ideally suited for use in blow molding application.
HIVOREX 5220B is designed to offer high stiffness, excellent impact resistance, good surface, anti-static.

General

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
Additive	• Antistatic		
Features	• Antistatic • Good Impact Resistance	• Good Surface Finish • High Stiffness	
Uses	• Blow Molding Applications • Bottles	• Household Goods • Toys	
Processing Method	• Blow Molding		

Physical	Nominal Value Unit	Test Method
Density	0.959 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.40 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance F50	60.0 hr	ASTM D1693

Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Yield)	27.5 MPa	ASTM D638
Tensile Elongation (Break)	> 500 %	ASTM D638
Flexural Modulus	1370 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	440 J/m	ASTM D256

Thermal	Nominal Value Unit	Test Method
Brittleness Temperature	< -80.0 °C	ASTM D746
Vicat Softening Temperature	123 °C	ASTM D1525

Notes

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.