

HIVOREX 6010BP

High Density Polyethylene

Lotte Chemical Corporation

Technical Data

Product Description

High stiffness, High speed processability

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
Features	• Fast Molding Cycle	• High Stiffness	
Uses	• Bottles		
RoHS Compliance	• RoHS Compliant		

Physical	Nominal Value Unit	Test Method
Density	0.967 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance F50	40.0 hr	ASTM D1693
Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Yield)	29.4 MPa	ASTM D638
Tensile Elongation (Break)	> 500 %	ASTM D638
Flexural Modulus	1670 MPa	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	98 J/m	ASTM D256
Thermal	Nominal Value Unit	Test Method
Brittleness Temperature	< -80.0 °C	ASTM D746
Vicat Softening Temperature	126 °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.