

HIVOREX BL6200

High Density Polyethylene

General Information

Description

- ◆ HIVOREX BL6200 is produced by slurry process technology.
- ◆ This resin is ideally suited for use in blow molding application.
- ◆ HIVOREX BL6200 is designed to offer high speed processibility, good ESCR.

Applications

- ◆ Bottle(small) and household product.(shampoo, bleach, makeup)

Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index (190°C, 2.16kg)	ASTM D 1238	0.35	g/10min		
Density	ASTM D 1505	0.958	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D 638	280	kgf/cm ²	27.5	MPa
Tensile Strain (Break)	ASTM D 638	≥ 500	%	≥ 500	%
Flexural Modulus	ASTM D 790	12,000	kgf/cm ²	1,177	MPa
Impact					
Notched IZOD Impact Strength (23°C)	ASTM D 256	12	kgf·cm/cm	118	J/m
Thermal					
VICAT Softening Point	ASTM D 1525	123	°C		
Additional					
ESCR	ASTM D 1693	400	F ₅₀ Hours		

NOTE

ISO 9001, 14001, /TS 16949

¹ Properties : these are not to be construed as specifications

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Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index (190°C, 2.16kg)	ISO 1133	0.35	g/10min		
Density	ISO 1183	0.958	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ISO 527	270	kgf/cm ²	26.5	MPa
Tensile Strain (Break)	ISO 527	≥ 500	%	≥ 500	%
Flexural Modulus	ISO 178	8,000	kgf/cm ²	785	MPa
Impact					
Notched IZOD Impact Strength (23°C)	ISO 180	10	kgf·cm/cm	98	J/m
Thermal					
VICAT Softening Point	ISO 306	123	°C		
Additional					
ESCR	ASTM D 1693	400	F ₅₀ Hours		

NOTE

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