LOTTE CHEMICAL

July, 2016

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)

Properties[1]

Physical	Test Method	Nominal Values			
Melt Flow Index (190℃, 2.16㎏)	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℃)	ASTM D 256	12	kgf·cm/cm	118	J/m
Thermal					
VICAT Softening Point	ASTM D 1525	123	℃		
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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Properties[1]

Physical	Test Method	Nominal Values			
Melt Flow Index (190℃, 2.16㎏)	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℃)	ISO 180	10	kgf·cm/cm	98	J/m
Thermal					
VICAT Softening Point	ISO 306	123	℃		
Additional					
ESCR	ASTM D 1693	400	F_{50} Hours		

NOTE

ISO 9001, 14001, /TS 16949

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