

HIVOREX BL5200

High Density Polyethylene

General Information

Description

- ◆ HIVOREX BL5200 is produced by slurry process technology.
- ◆ This resin is ideally suited for use in blow molding application.
- ◆ HIVOREX BL5200 is designed to offer high stiffness, excellent impact resistance, good resistance at low temp and chemicals resistance.

Applications

- ◆ Bottle and industrial chemicals bottle, a toy, etc.

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	0.30	g/10min		
Density	ASTM D1505	0.963	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	290	kgf/cm ²	28.4	MPa
Tensile Strain (Break)	ASTM D638	>500	%	>500	%
Flexural Modulus	ASTM D790	15,000	kgf/cm ²	1,471	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	55	kgf·cm/cm	539	J/m
Thermal					
VICAT Softening Point	ASTM D1525	125	℃		
Brittle Temperature	ASTM D746	<-80	℃		
Additional Properties					
ESCR	ASTM D1693	30	F50 Hours		

NOTE

ISO 9001, 14001, /TS 16949

¹ Physical Properties : these are not to be construed as specifications