

## 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 Properties<sup>1</sup>

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	0.30	g/10min		
Density	ASTM D1505	0.963	g/cm³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	290	kgf/cm²	28.4	MPa
Tensile Strain (Break)	ASTM D638	>500	%	>500	%
Flexural Modulus	ASTM D790	15,000	kgf/cm²	1,471	MPa
Impact					
Notched Izod Impact Strength (23 °C)	ASTM D256	55	kgf-cm/cm	539	J/m
Thermal					
VICAT Softening Point	ASTM D1525	125	°C		
Brittle Temperature	ASTM D746	<-80	°C		
Additional Properties					
ESCR	ASTM D1693	30	F50 Hours		

### NOTE

ISO 9001, 14001, /TS 16949

<sup>1</sup> Physical Properties : these are not to be construed as specifications