

HIVOREX 5200B

High Density Polyethylene

General Information

Description

HIVOREX 5200B is produced by slurry process technology.

This resin is ideally suited for use in blow molding application.

HIVOREX 5200B is designed to offer high stiffness, excellent impact resistance, good resistance at low temp and chemicals resistance.

Applications

- ◆ Bottle (small, medium) and industrial chemicals bottle, a toy

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	5.6	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