

HIVOREX 5220B

High Density Polyethylene

General Information

● Description

HIVOREX 5220B is produced by slurry process technology.

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

HIVOREX 5220B is designed to offer high stiffness, excellent impact resistance, good surface, anti-static.

● Applications

◆ Suitable for bottle (small, medium) and household product, a toy

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	0.40	g/10min		
Density	ASTM D1505	0.959	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	280	kgf/cm ²	27.5	MPa
Tensile Strain (Break)	ASTM D638	>500	%	>500	%
Flexural Modulus	ASTM D790	14,000	kgf/cm ²	1,373	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	45	kgf·cm/cm	5.6	J/m
Thermal					
VICAT Softening Point	ASTM D1525	123	℃		
Brittle Temperature	ASTM D746	<-80	℃		
Additional Properties					
ESCR	ASTM D1693	60	F50 Hours		

NOTE

ISO 9001, 14001, /TS 16949

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