

## HIVOREX 5500B

## High Density Polyethylene

### General Information

#### ● Description

HIVOREX 5500B is produced by slurry process technology.

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

HIVOREX 5500B is designed to offer high stiffness, excellent impact resistance, good resistance.

#### ● Applications

◆ Industrial chemicals bottle, a toy, etc.

### Physical Properties<sup>1</sup>

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	0.20	g/10min		
Density	ASTM D1505	0.963	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ASTM D638	290	kgf/cm <sup>2</sup>	28.4	MPa
Tensile Strain (Break)	ASTM D638	>500	%	>500	%
Flexural Modulus	ASTM D790	14,000	kgf/cm <sup>2</sup>	1,373	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23℃)	ASTM D256	57	kgf·cm/cm	5.8	J/m
<b>Thermal</b>					
VICAT Softening Point	ASTM D1525	124	℃		
Brittle Temperature	ASTM D746	<-80	℃		
<b>Additional Properties</b>					
ESCR	ASTM D1693	90	F50 Hours		

#### NOTE

ISO 9001, 14001, /TS 16949

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