

## HIVOREX BL5400

## High Density Polyethylene

### General Information

#### Description

- Good ESCR
- Good Durability at low-temperature
- Good Resistance at chemical

#### Applications

- ◆ Industrial chemicals bottle, etc.

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

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	0.18	g/10min		
Density	ASTM D1505	0.958	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ASTM D638	280	kgf/cm <sup>2</sup>	27.5	MPa
Tensile Strain (Break)	ASTM D638	>500	%	>500	%
Flexural Modulus	ASTM D790	13,500	kgf/cm <sup>2</sup>	1,324	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23℃)	ASTM D256	30	kgf·cm/cm	294	J/m
<b>Thermal</b>					
VICAT Softening Point	ASTM D1525	123	℃		
Brittle Temperature	ASTM D746	<-80	℃		
<b>Additional Properties</b>					
ESCR	ASTM D1693	200	F50 Hours		

#### NOTE

ISO 9001, 14001, /TS 16949

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