

## HIVOREX 8301GT

## High Density Polyethylene

### General Information

#### Description

Excellent impact resistance at low temperature, Excellent ESCR,  
High molecular weight HDPE

#### Applications

◆ Bottle(large) and industrial tank, an automobile fuel tank, LPG gas tank

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

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	5.5	g/10min		
Density	ASTM D1505	0.951	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ASTM D638	220	kgf/cm <sup>2</sup>	21.6	MPa
Tensile Strain (Break)	ASTM D638	>800	%	>800	%
Flexural Modulus	ASTM D790	9,000	kgf/cm <sup>2</sup>	883	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23℃)	ASTM D256	NB	kgf·cm/cm	NB	J/m
<b>Thermal</b>					
VICAT Softening Point	ASTM D1525	122	℃		
Brittle Temperature	ASTM D746	<-80	℃		
<b>Additional Properties</b>					
ESCR	ASTM D1693	>1,000	F50 Hours		

#### NOTE

ISO 9001, 14001, /TS 16949

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