

## HIVOREX 2600J

## High Density Polyethylene

### General Information

#### Description

- ◆ 2600J is a HDPE resin produced via Slurry process technology and suitable for injection molding.
- ◆ High Productivity, Good Stiffness

#### Applications

- ◆ Thin Walled Product, Crate, Housewares, etc.

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

Physical	Test Method	Nominal Values			
Melt Flow Index (190°C, 2.16kg)	ASTM D 1238	20.0	g/10min		
Density	ASTM D 1505	0.959	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ASTM D 638	240	kgf/cm <sup>2</sup>	23.5	MPa
Tensile Strain (Break)	ASTM D 638	≥ 300	%	≥ 300	%
Flexural Modulus	ASTM D 790	12,500	kgf/cm <sup>2</sup>	1,226	MPa
<b>Impact</b>					
Notched IZOD Impact Strength (23°C)	ASTM D 256	3.5	kgf·cm/cm	34.3	J/m
<b>Thermal</b>					
VICAT Softening Point	ASTM D 1525	120	°C		
<b>Additional</b>					
ESCR	ASTM D 1693	2	F <sub>50</sub> Hours		

### NOTE

ISO 9001, 14001, /TS 16949

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

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

Physical	Test Method	Nominal Values			
Melt Flow Index (190°C, 2.16kg)	ISO 1133	20.0	g/10min		
Density	ISO 1183	0.959	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ISO 527	235	kgf/cm <sup>2</sup>	23	MPa
Tensile Strain (Break)	ISO 527	≥300	%	≥300	%
Flexural Modulus	ISO 178	8,668	kgf/cm <sup>2</sup>	850	MPa
<b>Impact</b>					
Notched IZOD Impact Strength (23°C)	ISO 180	3	kgf·cm/cm	30	J/m
<b>Thermal</b>					
VICAT Softening Point	ISO 306	120	°C		
<b>Additional</b>					
ESCR	ASTM D 1693	2	F <sub>50</sub> Hours		

### NOTE

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