

## BL6200

## High Density Polyethylene

## General Information

## Description

- ◆ For Blow Molding
- ◆ High speed processability, Good ESCR

## Applications

- ◆ Bottle(small) and household product.(shampoo, bleach)

Properties <sup>1</sup>			
Physical	Test Method	Nominal Values	
Melt Flow Index (190°C, 2.16kg)	ASTM D1238	0.35	g/10min
Density	ASTM D1505	0.959	g/cm <sup>3</sup>
Mechanical			
Tensile Stress (Yield)	ASTM D638	280	kgf/cm <sup>2</sup> 27.5 MPa
Tensile Strain (Break)	ASTM D638	≥500	%
Flexural Modulus	ASTM D790	12,000	kgf/cm <sup>2</sup> 1,177 MPa
Impact			
Notched IZOD Impact Strength (23°C)	ASTM D256	12	kgf·cm/cm      118 J/m
Thermal			
VICAT Softening Point	ASTM D1525	123	°C
Additional			
ESCR	ASTM D1693	400	F <sub>50</sub> hr

## 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	0.35 g/10min	
Density	ISO 1183	0.959 g/cm <sup>3</sup>	
<b>Mechanical</b>			
Tensile Stress (Yield)	ISO 527	270 kgf/cm <sup>2</sup>	26.5 MPa
Tensile Strain (Break)	ISO 527	≥500 %	
Flexural Modulus	ISO 178	8,000 kgf/cm <sup>2</sup>	785 MPa
<b>Impact</b>			
Notched IZOD Impact Strength (23°C)	ISO 180	10 kgf·cm/cm	98 J/m
<b>Thermal</b>			
VICAT Softening Point	ISO 306	123 °C	
<b>Additional</b>			
ESCR	ASTM D1693	400 F <sub>50</sub> hr	

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