

# 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>	
Mechanical			
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
Impact			
Notched IZOD Impact Strength (23°C)	ISO 180	10 kgf·cm/cm	98 J/m
Thermal			
VICAT Softening Point	ISO 306	123 °C	
Additional			
ESCR	ASTM D1693	400 F <sub>50</sub> hr	

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