

5200B

High Density Polyethylene

General Information

Description

- ◆ For Blow Molding
- ◆ High stiffness, Excellent impact resistance, Good chemical resistance

Applications

- ◆ Bottle(small, medium) and industrial chemical bottle, Toy

Properties ¹			
Physical	Test Method	Nominal Values	
Melt Flow Index (190°C, 2.16kg)	ASTM D1238	0.3	g/10min
Density	ASTM D1505	0.963	g/cm ³
Mechanical			
Tensile Stress (Yield)	ASTM D638	290	kgf/cm ² 28.4 MPa
Tensile Strain (Break)	ASTM D638	≥500	%
Flexural Modulus	ASTM D790	13,500	kgf/cm ² 1,324 MPa
Impact			
Notched IZOD Impact Strength (23°C)	ASTM D256	30	kgf·cm/cm 294 J/m
Thermal			
VICAT Softening Point	ASTM D1525	125	°C
Additional Properties			
ESCR	ASTM D1693	30	F ₅₀ hr

NOTE

ISO 9001, 14001, /TS 16949

¹ Properties: these are not to be construed as specifications