

5500B

High Density Polyethylene

General Information

Description

- ◆ For Blow Molding
- ◆ Good durability at low-temperature
- ◆ High stiffness, Excellent impact resistance

Applications

- ◆ Industrial chemical bottle, Toy, etc.

Properties ¹			
Physical	Test Method	Nominal Values	
Melt Flow Index (190°C, 2.16kg)	ASTM D1238	0.18	g/10min
Density	ASTM D1505	0.963	g/cm³
Mechanical			
Tensile Stress (Yield)	ASTM D638	290	kgf/cm² 28.4 MPa
Tensile Strain (Break)	ASTM D638	≥500	%
Flexural Modulus	ASTM D790	14,000	kgf/cm² 1,373 MPa
Impact			
Notched IZOD Impact Strength (23°C)	ASTM D256	55	kgf·cm/cm 539 J/m
Thermal			
VICAT Softening Point	ASTM D1525	124	°C
Additional Properties			
ESCR	ASTM D1693	90	F ₅₀ hr

NOTE

ISO 9001, 14001, /TS 16949

¹ Properties: these are not to be construed as specifications