

5220BN

High Density Polyethylene

General Information

Description

- ◆ For Blow Molding
- ◆ High speed processability, Good ESCR
- ◆ Good surface, Anti-static

Applications

- ◆ Bottle(small), Household product(Shampoo, Bleach, Cosmetics)

Properties ¹			
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 ³
Mechanical			
Tensile Stress (Yield)	ASTM D638	280	kgf/cm ² 27.5 MPa
Tensile Strain (Break)	ASTM D638	≥500	%
Flexural Modulus	ASTM D790	12,000	kgf/cm ² 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 Properties			
ESCR	ASTM D1693	400	F ₅₀ hr

NOTE

ISO 9001, 14001, /TS 16949

¹ Properties: these are not to be construed as specifications