

8301B
High Density Polyethylene
General Information
Description

- ◆ Excellent impact resistance at low temperature, Excellent ESCR
- ◆ High molecular weight HDPE

Applications

- ◆ Bottle(large) and industrial tank, Automobile fuel tank

Properties ¹			
Physical	Test Method	Nominal Values	
Melt Flow Index (190°C, 2.16kg/21.6kg)	ASTM D1238	0.04/5.0 g/10min	
Density	ASTM D1505	0.950 g/cm³	
Mechanical			
Tensile Stress (Yield)	ASTM D638	230 kgf/cm²	22.6 MPa
Tensile Strain (Break)	ASTM D638	≥800 %	
Flexural Modulus	ASTM D790	9,000 kgf/cm²	883 MPa
Impact			
Notched IZOD Impact Strength (23°C)	ASTM D256	NB kgf·cm/cm	
Thermal			
VICAT Softening Point	ASTM D1525	122 °C	
Additional Properties			
ESCR	ASTM D1693	>1,000 F ₅₀ hr	

NOTE

ISO 9001, 14001, /TS 16949

¹ Properties: these are not to be construed as specifications