

BL5400

High Density Polyethylene

General Information

Description

- ◆ For Blow Molding
- ◆ Good ESCR
- ◆ Good durability at low temperature
- ◆ Good resistance at chemical

Applications

- ◆ Industrial chemicals bottle, etc.

Properties ¹			
Physical	Test Method	Nominal Values	
Melt Flow Index (190°C, 2.16kg)	ASTM D1238	0.13	g/10min
Density	ASTM D1505	0.958	g/cm³
Mechanical			
Tensile Stress (Yield)	ASTM D638	280	kgf/cm² 27.5 MPa
Tensile Strain (Break)	ASTM D638	≥500	%
Flexural Modulus	ASTM D790	12,000	kgf/cm² 1,177 MPa
Impact			
Notched IZOD Impact Strength (23°C)	ASTM D256	45	kgf·cm/cm 441 J/m
Thermal			
VICAT Softening Point	ASTM D1525	123	°C
Additional			
ESCR	ASTM D1693	450	F ₅₀ hr

NOTE

ISO 9001, 14001, /TS 16949

¹ Properties: these are not to be construed as specifications

BL5400

High Density Polyethylene

General Information

Description

- ◆ For Blow Molding
- ◆ Good ESCR
- ◆ Good durability at low temperature
- ◆ Good resistance at chemical

Applications

- ◆ Industrial chemicals bottle, etc.

Properties ¹			
Physical	Test Method	Nominal Values	
Melt Flow Index (190°C, 2.16kg)	ISO 1133	0.13	g/10min
Density	ISO 1183	0.958	g/cm ³
Mechanical			
Tensile Stress (Yield)	ISO 527	270	kgf/cm ² 26.5 MPa
Tensile Strain (Break)	ISO 527	≥500	%
Flexural Modulus	ISO 178	8,000	kgf/cm ² 785 MPa
Impact			
Notched IZOD Impact Strength (23°C)	ISO 180	40	kgf·cm/cm 392 J/m
Thermal			
VICAT Softening Point	ISO 306	123	°C
Additional			
ESCR	ASTM D1693	450	F ₅₀ hr

NOTE

ISO 9001, 14001, /TS 16949

¹ Properties: these are not to be construed as specifications