

LOTTE CHEMICAL

2200J

High Density Polyethylene

General Information

Description

- ◆ For Injection Molding
- ◆ High stiffness, Fluidity, Good resistance at chemical

Applications

- ◆ Crate, Housewares, Bottle Cap, etc.

Properties ¹			
Physical	Test Method	Nominal Values	
Melt Flow Index (190°C, 2.16kg)	ASTM D1238	5.0	g/10min
Density	ASTM D1505	0.965	g/cm ³
Mechanical			
Tensile Stress (Yield)	ASTM D638	260	kgf/cm ² 25.5 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	8	kgf·cm/cm 79 J/m
Thermal			
VICAT Softening Point	ASTM D1525	124	°C
Additional			
ESCR	ASTM D1693	4	F ₅₀ hr

NOTE

ISO 9001, 14001, /TS 16949

¹ Properties: these are not to be construed as specifications

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Properties ¹			
Physical	Test Method	Nominal Values	
Melt Flow Index (190°C, 2.16kg)	ISO 1133	5.0	g/10min
Density	ISO 1183	0.965	g/cm ³
Mechanical			
Tensile Stress (Yield)	ISO 527	255	kgf/cm ² 25.0 MPa
Tensile Strain (Break)	ISO 527	≥500	%
Flexural Modulus	ISO 178	10,197	kgf/cm ² 1,000 MPa
Impact			
Notched IZOD Impact Strength (23°C)	ISO 180	5	kgf·cm/cm 50 J/m
Thermal			
VICAT Softening Point	ISO 306	124	°C
Additional			
ESCR	ASTM D1693	4	F ₅₀ hr

NOTE

ISO 9001, 14001, /TS 16949

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