

2210J

High Density Polyethylene

General Information

Description

- ◆ For Injection Molding
- ◆ Good stiffness, Fluidity

Applications

- ◆ Silicon Cartridge, Crate, Housewares, etc.

Properties ¹			
Physical	Test Method	Nominal Values	
Melt Flow Index (190°C, 2.16kg)	ASTM D1238	7.0	g/10min
Density	ASTM D1505	0.959	g/cm³
Mechanical			
Tensile Stress (Yield)	ASTM D638	230	kgf/cm² 22.6 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	8	kgf·cm/cm 79 J/m
Thermal			
VICAT Softening Point	ASTM D1525	122	°C
Additional			
ESCR	ASTM D1693	6	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	7.0	g/10min
Density	ISO 1183	0.959	g/cm³
Mechanical			
Tensile Stress (Yield)	ISO 527	224	kgf/cm² 22.0 MPa
Tensile Strain (Break)	ISO 527	≥500	%
Flexural Modulus	ISO 178	8,158	kgf/cm² 800 MPa
Impact			
Notched IZOD Impact Strength (23°C)	ISO 180	5	kgf·cm/cm 50 J/m
Thermal			
VICAT Softening Point	ISO 306	122	°C
Additional			
ESCR	ASTM D1693	6	F ₅₀ hr

NOTE

ISO 9001, 14001, /TS 16949

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