2700J

High Density Polyethylene

General Information

Description

- For Injection Molding
- Fluidity, High impact strength, Good ESCR

Applications

- Housewares, etc.

Properties[1]

Physical	Test Method	Nominal Values	
Melt Flow Index (190℃, 2.16㎏)	ASTM D1238	7.0 g/10min	
Density	ASTM D1505	0.949 g/㎤	
Mechanical			
Tensile Stress (Yield)	ASTM D638	200 kgf/㎠	19.6 MPa
Tensile Strain (Break)	ASTM D638	≥500 %	
Flexural Modulus	ASTM D790	8,000 kgf/㎠	785 MPa
Impact			
Notched IZOD Impact Strength (23℃)	ASTM D256	11 kgf·㎝/㎝	108 J/m
Thermal			
VICAT Softening Point	ASTM D1525	120 ℃	
Additional			
ESCR	ASTM D1693	12 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℃, 2.16㎏)	ISO 1133	7.0 g/10min	
Density	ISO 1183	0.959 g/㎤	
Mechanical			
Tensile Stress (Yield)	ISO 527	194 kgf/㎠	19.0 MPa
Tensile Strain (Break)	ISO 527	≥500 %	
Flexural Modulus	ISO 178	6,628 kgf/㎠	650 MPa
Impact			
Notched IZOD Impact Strength (23℃)	ISO 180	6 kgf·㎝/㎝	60 J/m
Thermal			
VICAT Softening Point	ISO 306	120 ℃	
Additional			
ESCR	ASTM D1693	12 F_{50}hr	

NOTE

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