

Product Information

Product Characteristics

- Injection Molding Grade/Extrusion/Blow Molding
- High Viscosity
- Ice Color

Properties	Test Method	Unit	Typical Values	
Physical Properties¹				
Melt Volume Rate 300°C load 1.2 kg	ISO 1133	cm ³ /10min	2.5	
Density	ISO 1183	kg/m ³	1,200	
Water Absorption Rate	ISO 62	%	0.2	
Light Transmission 3mm thick	ASTM D 1003	%	88	
Refractive Index	ASTM D 542	-	1.585	
Mold Shrinkage	In House Method	%	0.5-0.7	
Mechanical Properties¹				
Tensile Modulus 1mm/min	ISO 527	MPa	2,350	
Tensile Yield Stress 50mm/min	ISO 527	MPa	60	
Flexural Modulus 2mm/min	ISO 178	MPa	2,200	
Flexural Strength 2mm/min	ISO 178	MPa	90	
Charpy Impact Strength				
	Unnotched	ISO 179	kJ/m ²	NB
	Notched	ISO 179	kJ/m ²	89
Thermal Properties¹				
Load Deflection Temperature	ISO 75-1,2			
	1.80MPa	°C	132	
	0.45MPa	°C	145	
Vicat Softening Temperature	ISO 306	50°C/h 50N	151	
Flammability	UL 94	-	HB (0.38mm)	

¹ Typical Properties; not to be construed as specifications. The data is intended as a general guideline only and does not necessarily represent the results that may be obtained otherwise.

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