

Product Information

Product Characteristics

- Injection Molding
- Flame Resistant
- Transparent

Properties	Test Method	Unit	Typical Values	
Physical Properties¹				
Melt Volume Rate 300°C load 1.2 kg	ISO 1133	cm ³ /10min	11.0	
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	2,400	
Tensile Yield Stress 50mm/min	ISO 527	MPa	62	
Flexural Modulus 2mm/min	ISO 178	MPa	2,350	
Flexural Strength 2mm/min	ISO 178	MPa	92	
Charpy Impact Strength	Unnotched	ISO 179	kJ/m ²	NB
	Notched	ISO 179	kJ/m ²	12
Thermal Properties¹				
Load Deflection Temperature	ISO 75-1,2			
		1.80MPa	°C	128
		0.45MPa	°C	141
Vicat Softening Temperature	ISO 306	50°C/h 50N	148	
Flammability	UL 94		V-2 (0.43mm)	
	UL 94		V-0 (3.0mm)	

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.