

Product Information

Product Characteristics

- Injection Molding
- 20% Glass Fiber
- Flame Retardant

Properties	Test Method	Unit	Typical Values		
Physical Properties¹					
Melt Volume Rate 300°C load 1.2 kg	ISO 1133	cm ³ /10min	N/A		
Density	ISO 1183	kg/m ³	1,340		
Water Absorption Rate	ISO 62	%	0.14		
Light Transmission 3mm thick	ASTM D 1003	%	N/A		
Refractive Index	ASTM D 542	-	N/A		
Mold Shrinkage	In House Method	% Parallel	0.1-0.3		
		% Vertical	0.4-0.6		
Mechanical Properties¹					
Tensile Modulus 1mm/min	ISO 527	MPa	6,100		
Tensile Yield Stress 50mm/min	ISO 527	MPa	N/A		
Flexural Modulus 2mm/min	ISO 178	MPa	5,400		
Flexural Strength 2mm/min	ISO 178	MPa	140		
Charpy Impact Strength	Unnotched	ISO 179	kJ/m ²		
				40	
	Notched	ISO 179	kJ/m ²		
			11		
Thermal Properties¹					
Load Deflection Temperature	ISO 75-1,2				
			1.80MPa	°C	147
			0.45MPa	°C	150
Vicat Softening Temperature	ISO 306	50°C/h 50N	152		
Flammability	UL 94		HB(0.43mm)		
	UL 94		V-2 (0.8mm)		
	UL 94		V-1 (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.