

Product Information

Product Characteristics

- Injection Molding
- 30% 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	1,430
Water Absorption Rate	ISO 62	%	0.12
Light Transmission 3mm thick	ASTM D 1003	%	N/A
Refractive Index	ASTM D 542	-	N/A
Mold Shrinkage	In House Method	% Parallel	0.02-0.2
		% Vertical	0.3-0.5
Mechanical Properties¹			
Tensile Modulus 1mm/min	ISO 527	MPa	8,000
Tensile Yield Stress 50mm/min	ISO 527	MPa	N/A
Flexural Modulus 2mm/min	ISO 178	MPa	7,100
Flexural Strength 2mm/min	ISO 178	MPa	160
Charpy Impact Strength	ISO 179	Unnotched	kJ/m ²
		Notched	kJ/m ²
Thermal Properties¹			
Load Deflection Temperature	ISO 75-1,2		
		1.80MPa	°C
		0.45MPa	°C
Vicat Softening Temperature	ISO 306	50°C/h 50N	153
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.