

### Product Information

#### Product Characteristics

- Injection Molding
- 15% Glass Fiber
- Flame Retardant

Properties	Test Method	Unit	Typical Values	
<b>Physical Properties<sup>1</sup></b>				
Melt Volume Rate 300°C load 1.2 kg	ISO 1133	cm <sup>3</sup> /10min	N/A	
Density	ISO 1183	kg/m <sup>3</sup>	1,300	
Water Absorption Rate	ISO 62	%	0.15	
Light Transmission 3mm thick	ASTM D 1003	%	N/A	
Refractive Index	ASTM D 542	-	N/A	
Mold Shrinkage	In House Method	% Parallel	0.2-0.4	
		% Vertical	0.4-0.6	
<b>Mechanical Properties<sup>1</sup></b>				
Tensile Modulus 1mm/min	ISO 527	MPa	5,000	
Tensile Yield Stress 50mm/min	ISO 527	MPa	N/A	
Flexural Modulus 2mm/min	ISO 178	MPa	4,400	
Flexural Strength 2mm/min	ISO 178	MPa	130	
Charpy Impact Strength	ISO 179	Unnotched	kJ/m <sup>2</sup>	
		Notched	kJ/m <sup>2</sup>	
<b>Thermal Properties<sup>1</sup></b>				
Load Deflection Temperature	ISO 75-1,2			
			1.80MPa	°C
			0.45MPa	°C
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)	

<sup>1</sup> 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.