

## Product Information

### Product Characteristics

- Injection Molding
- Low Contamination
- Optical Use

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	54.0	
Density	ISO 1183	kg/m <sup>3</sup>	1,200	
Water Absorption Rate	ISO 62	%	0.2	
Light Transmission 3mm thick	ASTM D 1003	%	89	
Refractive Index	ASTM D 542	-	1.585	
Mold Shrinkage	In House Method	%	0.5-0.7	
<b>Mechanical Properties<sup>1</sup></b>				
Tensile Modulus 1mm/min	ISO 527	MPa	2,450	
Tensile Yield Stress 50mm/min	ISO 527	MPa	63	
Flexural Modulus 2mm/min	ISO 178	MPa	2,400	
Flexural Strength 2mm/min	ISO 178	MPa	96	
Charpy Impact Strength	Unnotched	ISO 179	kJ/m <sup>2</sup>	NB
	Notched	ISO 179	kJ/m <sup>2</sup>	3
<b>Thermal Properties<sup>1</sup></b>				
Load Deflection Temperature	ISO 75-1,2			
		1.80MPa	°C	124
		0.45MPa	°C	138
Vicat Softening Temperature	ISO 306	50°C/h 50N	143	
Flammability	UL 94		N/A	
	UL 94	-	N/A	

<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.