

### Product Information

#### Product Characteristics

- Injection Molding Grade
- Ultra Low Viscosity
- Mold Release

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	18.0	
Density	ISO 1183	kg/m <sup>3</sup>	1,200	
Water Absorption Rate	ISO 62	%	0.2	
Light Transmission 3mm thick	ASTM D 1003	%	88	
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	2,400	
Tensile Yield Stress 50mm/min	ISO 527	MPa	61	
Flexural Modulus 2mm/min	ISO 178	MPa	2,350	
Flexural Strength 2mm/min	ISO 178	MPa	93	
Charpy Impact Strength	Unnotched	ISO 179	kJ/m <sup>2</sup>	NB
	Notched	ISO 179	kJ/m <sup>2</sup>	67
<b>Thermal Properties<sup>1</sup></b>				
Load Deflection Temperature	ISO 75-1,2	°C	1.80MPa	126
			0.45MPa	139
			Vicat Softening Temperature	ISO 306
Flammability	UL 94			V-2 (0.40mm)
	UL 94			HB (1.9mm)

<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.

Panlite® is a registered trademark of Teijin Chemicals and is distributed by Calsak Corporation

Issued 9-1-13