



Lotte Advanced Materials Infino® SC-1060U PC Poly Optical Grade

Categories: [Polymer](#); [Thermoplastic](#); [Polycarbonate \(PC\)](#); [Polycarbonate, UV Stabilized](#)

Material Notes: UV Stabilized

Information provided by Lotte Advanced Materials

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	Natural or representative color; ASTM D792
Linear Mold Shrinkage, Flow	0.00500 - 0.00700 cm/cm @Thickness 3.20 mm	0.00500 - 0.00700 in/in @Thickness 0.126 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.00500 - 0.00700 cm/cm @Thickness 3.20 mm	0.00500 - 0.00700 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	6.00 g/10 min @Load 1.20 kg, Temperature 300 °C	6.00 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM D1238
Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength at Break	64.7 MPa	9380 psi	50 mm/min; ASTM D638
Tensile Strength, Yield	64.7 MPa	9390 psi	50 mm/min; ASTM D638
Elongation at Break	110 %	110 %	50 mm/min; ASTM D638
Tensile Modulus	2.26 GPa	327 ksi	50 mm/min; ASTM D638
Flexural Strength	91.2 MPa	13200 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.26 GPa	327 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched 	1.47 J/cm @Thickness 6.35 mm	2.76 ft-lb/in @Thickness 0.250 in	ASTM D256
	8.83 J/cm @Thickness 3.17 mm	16.5 ft-lb/in @Thickness 0.125 in	ASTM D256
Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	138 °C @Thickness 6.40 mm	280 °F @Thickness 0.252 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	128 °C @Thickness 6.40 mm	262 °F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	147 °C	297 °F	B/50; ISO R 306
Flammability, UL94 	HB @Thickness 2.60 - 3.20 mm	HB @Thickness 0.102 - 0.126 in	
	V-2 @Thickness 1.60 - 2.00 mm	V-2 @Thickness 0.0630 - 0.0787 in	

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.