

Samsung Cheil Industries Infino[®] LS-3302 PC, 30% Glass Filled High Impact

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 30% Glass Filled , Polycarbonate, Impact Modified

Material Notes:

High-impact resistant PC/GF with 30% GF reinforcement for camera body tube. Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-LS-3302-PC-30-Glass-Filled-High-Impact.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm @Thickness 3.20 mm	0.0010 - 0.0030 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	12 g/10 min @Load 10.0 kg, Temperature 250 Å°C	12 g/10 min @Load 22.0 lb, Temperature 482 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	127 MPa	18500 psi	5 mm/min; ASTM D638
Flexural Strength	177 MPa	25700 psi	2.8 mm/min; ASTM D790
Flexural Modulus	7.35 GPa	1070 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.67 J/cm @Thickness 3.17 mm	3.12 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	140 Å°C @Thickness 6.40 mm	284 Å°F @Thickness 0.252 in	ASTM D648
Flammability, UL94	V-2 @Thickness 0.800 mm	V-2 @Thickness 0.0315 in	
	V-1 @Thickness 3.20 mm	V-1 @Thickness 0.126 in	

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