

Samsung Cheil Industries Infino® TK-2046H PCT, Glass Filled

Category : Polymer , Thermoplastic , Polyester, TP , Polycyclohexylenedimethylene Terephthalate (PCT)

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-TK-2046H-PCT-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.60 g/cc	1.60 g/cc	ASTM D792
Melt Flow	60 g/10 min	60 g/10 min	ASTM D1238
	@Load 1.20 kg, Temperature 300 °C	@Load 2.65 lb, Temperature 572 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	61.8 MPa	8960 psi	5 mm/min; ASTM D638
Flexural Strength	80.4 MPa	11700 psi	2.8 mm/min; ASTM D790
Flexural Modulus	6.96 GPa	1010 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.245 J/cm	0.459 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	260 °C	500 °F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Flammability, UL94	HB	HB	
	@Thickness 1.50 - 3.00 mm	@Thickness 0.0591 - 0.118 in	

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