

## Samsung Cheil Industries Infino® TK-2046HM PCT, 40% Glass Filled

Category : Polymer , Thermoplastic , Polyester, TP , Polycyclohexylenedimethylene Terephthalate (PCT) , Polycyclohexylenedimethylene Terephthalate (PCT), 40% Glass Reinforced

### 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-2046HM-PCT-40-Glass-Filled.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-TK-2046HM-PCT-40-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.63 g/cc	1.63 g/cc	ASTM D792
Melt Flow	20 g/10 min @Load 1.20 kg, Temperature 300 °C	20 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM D1238
Ash	40.5 %	40.5 %	ASTM D5630

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.8 MPa	8820 psi	5 mm/min; ASTM D638
Elongation at Break	1.5 %	1.5 %	5 mm/min; ASTM D638
Flexural Strength	78.5 MPa	11400 psi	2.8 mm/min; ASTM D790
Flexural Modulus	7.55 GPa	1100 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.294 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	0.551 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	ASTM D256
	0.294 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	0.551 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256
	1.47 J/cm @Thickness 6.35 mm, Temperature -30.0 °C	2.76 ft-lb/in @Thickness 0.250 in, Temperature -22.0 °F	ASTM D256
	1.57 J/cm @Thickness 3.17 mm, Temperature -30.0 °C	2.94 ft-lb/in @Thickness 0.125 in, Temperature -22.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	250 °C @Thickness 6.40 mm	482 °F @Thickness 0.252 in	ASTM D648

Thermal Properties	Metric	English	Comments
Optical Properties	Metric	English	Comments
Yellow Index	4.0 % @Thickness 3.20 mm	4.0 % @Thickness 0.126 in	ASTM D1925

## Contact Songhan Plastic Technology Co.,Ltd.

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