

Samsung Cheil Industries Starex[®] TF-0956 HI-PMMA

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, Impact Modified, Molded

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-TF-0956-HI-PMMA.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 - 0.0080 cm/cm @Thickness 3.20 mm	0.0040 - 0.0080 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	3.0 g/10 min @Load 3.80 kg, Temperature 230 Å°C	3.0 g/10 min @Load 8.38 lb, Temperature 446 Å°F	ASTM D1238
	7.0 g/10 min @Load 10.0 kg, Temperature 220 Å°C	7.0 g/10 min @Load 22.0 lb, Temperature 428 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Tensile Strength, Yield	52.0 MPa	7540 psi	5 mm/min; ASTM D638
Flexural Strength	72.6 MPa	10500 psi	2.8 mm/min; ASTM D790
Flexural Modulus	1.96 GPa	284 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.441 J/cm @Thickness 6.35 mm	0.827 ft-lb/in @Thickness 0.250 in	ASTM D256
	0.490 J/cm @Thickness 3.17 mm	0.918 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	78.0 Å°C @Thickness 6.40 mm	172 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	93.0 Å°C	199 Å°F	B/50; ISO R306
Flammability, UL94	HB	HB	

Thermal Properties	@Thickness 1.50 - 3.00 Metric	@Thickness 0.0591 - 0.1181 English	Comments
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