

## Samsung Cheil Industries Starex<sup>®</sup> TF-0959 T 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-0959-T-HI-PMMA.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-TF-0959-T-HI-PMMA.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792
Melt Flow	16 g/10 min @Load 10.0 kg, Temperature 220 Â°C	16 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D785
Tensile Strength, Yield	54.9 MPa	7970 psi	5 mm/min; ASTM D638
Flexural Strength	79.4 MPa	11500 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.31 GPa	336 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	2.45 J/cm @Thickness 6.35 mm	4.59 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	77.0 Â°C @Thickness 6.40 mm	171 Â°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	92.0 Â°C	198 Â°F	B/50; ISO R306
Flammability, UL94	HB @Thickness 1.50 - 3.00 mm	HB @Thickness 0.0591 - 0.118 in	

Optical Properties	Metric	English	Comments
Haze	0.50 % @Thickness 2.50 mm	0.50 % @Thickness 0.0984 in	ASTM D1003

Descriptive Properties	Value	Comments
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Pencil Hardness  
Descriptive Properties

3H  
Value

500g, JIS K 5401  
Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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