

## Samsung Cheil Industries Starex<sup>®</sup> TH-1100 PC, Unreinforced FR

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 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-TH-1100-PC-Unreinforced-FR.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-TH-1100-PC-Unreinforced-FR.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	17 g/10 min @Load 10.0 kg, Temperature 250 Å°C	17 g/10 min @Load 22.0 lb, Temperature 482 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	63.7 MPa	9250 psi	5 mm/min; ASTM D638
Flexural Strength	94.1 MPa	13600 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.16 GPa	313 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	>= 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)	130 Å°C @Thickness 6.40 mm	266 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	144 Å°C	291 Å°F	B/50; ISO R306
Flammability, UL94	V-0 @Thickness 2.00 mm	V-0 @Thickness 0.0787 in	

Optical Properties	Metric	English	Comments
Haze	2.0 % @Thickness 3.20 mm	2.0 % @Thickness 0.126 in	ASTM D1003
Transmission, Visible	86 %	86 %	ASTM D1003

Optical Properties	@Thickness 3.20 mm Metric	@Thickness 0.126 in English	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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