

Samsung Cheil Industries Starex[®] HG-0760LT ABS, Unreinforced

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 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-HG-0760LT-ABS-Unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Melt Flow	5.3 g/10 min	5.3 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 Å°C	@Load 11.0 lb, Temperature 392 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	114	114	ASTM D785
Tensile Strength at Break	39.2 MPa	5690 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	50.0 MPa	7250 psi	5 mm/min; ASTM D638
Elongation at Break	15 %	15 %	5 mm/min; ASTM D638
Tensile Modulus	2.45 GPa	356 ksi	5 mm/min; ASTM D638
Flexural Strength	68.6 MPa	9950 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.45 GPa	356 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.27 J/cm	2.39 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	1.86 J/cm	3.49 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 Å°C	203 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	87.0 Å°C	189 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	99.0 Å°C	210 Å°F	B/50; ISO R306
			B/120; ISO R306

Thermal Properties	101 Å°C Metric	214 Å°F English	Comments
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