

Samsung Cheil Industries Starex® HF-0690M 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-HF-0690M-ABS-Unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Melt Flow	8.9 g/10 min	8.9 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 Â°C	@Load 11.0 lb, Temperature 392 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	109	109	ASTM D785
Tensile Strength at Break	32.4 MPa	4700 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	39.2 MPa	5690 psi	5 mm/min; ASTM D638
Elongation at Break	20 %	20 %	5 mm/min; ASTM D638
Tensile Modulus	2.26 GPa	327 ksi	5 mm/min; ASTM D638
Flexural Strength	62.8 MPa	9110 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.35 GPa	341 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	
	1.47 J/cm	2.76 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)	90.0 Â°C	194 Â°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	82.0 Â°C	180 Â°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	93.0 Â°C	199 Â°F	B/50; ISO R306
			B/120; ISO R306

Thermal Properties	95.0 Å°C Metric	203 Å°F English	Comments
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