

Samsung Cheil Industries Starex® SD-0170 F 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-SD-0170-F-ABS-Unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 g/cc	1.03 g/cc	ASTM D792
Melt Flow	1.7 g/10 min	1.7 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	90	90	ASTM D785
Tensile Strength at Break	25.5 MPa	3700 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	31.4 MPa	4550 psi	5 mm/min; ASTM D638
Elongation at Break	22 %	22 %	5 mm/min; ASTM D638
Tensile Modulus	1.57 GPa	228 ksi	5 mm/min; ASTM D638
Flexural Strength	49.0 MPa	7110 psi	2.8 mm/min; ASTM D790
Flexural Modulus	1.57 GPa	228 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	3.73 J/cm	6.98 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	4.31 J/cm	8.08 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)	93.0 Â°C	199 Â°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	81.0 Â°C	178 Â°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	92.0 Â°C	198 Â°F	B/50; ISO R306
			B/120; ISO R306

Thermal Properties	96.0 Å°C Metric	205 Å°F English	Comments
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