

Samsung Cheil Industries Starex[®] AS-0151 ABS, Unreinforced

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

Material Notes:

Anti-static Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-AS-0151-ABS-Unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D792
Melt Flow	23 g/10 min	23 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 220 Å°C	@Load 22.0 lb, Temperature 428 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength at Break	34.3 MPa	4970 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	41.2 MPa	5970 psi	5 mm/min; ASTM D638
Elongation at Break	33 %	33 %	5 mm/min; ASTM D638
Tensile Modulus	2.26 GPa	327 ksi	5 mm/min; ASTM D638
Flexural Strength	64.7 MPa	9380 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.26 GPa	327 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.96 J/cm	3.67 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	1.96 J/cm	3.67 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)	94.0 Å°C	201 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	85.0 Å°C	185 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	97.0 Å°C	207 Å°F	B/50; ISO R306
			B/120; ISO R306

Thermal Properties	100 Å°C Metric	212 Å°F English	Comments
Flammability, UL94	HB @Thickness 1.00 - 3.00 mm	HB @Thickness 0.0394 - 0.118 in	

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