

Samsung Cheil Industries Starex[®] NH-0927 ABS, Unreinforced FR

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Unreinforced, Flame Retardant

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-NH-0927-ABS-Unreinforced-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Melt Flow	3.5 g/10 min	3.5 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	110	110	ASTM D785
Tensile Strength at Break	35.3 MPa	5120 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	53.9 MPa	7820 psi	5 mm/min; ASTM D638
Elongation at Break	25 %	25 %	5 mm/min; ASTM D638
Tensile Modulus	2.26 GPa	327 ksi	5 mm/min; ASTM D638
Flexural Strength	65.7 MPa	9530 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.55 GPa	370 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.57 J/cm	2.94 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	1.77 J/cm	3.31 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)	88.0 Å°C	190 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	99.0 A °C Metric	210 A °F English	Comments
Flammability, UL94	V-2 @Thickness 1.00 - 3.00 mm	V-2 @Thickness 0.0394 - 0.118 in	

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