

Samsung Cheil Industries Starex[®] LX-0971 S ABS, Unreinforced Metallic-Look

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

Material Notes:

Luminous Grade - gives aesthetics of a painted surface without painting. Reduces time, cost, and environmental hazards (such as solvents). Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-LX-0971-S-ABS-Unreinforced-Metallic-Look.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Melt Flow	16 g/10 min	16 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	33.3 MPa	4830 psi	50 mm/min; ASTM D638
Tensile Strength, Yield	50.0 MPa	7250 psi	50 mm/min; ASTM D638
Elongation at Break	16 %	16 %	50 mm/min; ASTM D638
Tensile Modulus	2.16 GPa	313 ksi	50 mm/min; ASTM D638
Flexural Strength	69.6 MPa	10100 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.35 GPa	341 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	
	2.06 J/cm	3.86 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)	98.0 Å°C	208 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

Vicat Softening Point Thermal Properties	88.0 Â°C Metric	190 Â°F English	R/50: ISO R306 Comments
	100 Â°C	212 Â°F	B/120; ISO R306

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