

Samsung Cheil Industries Starex[®] LX-0970 MS 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-0970-MS-ABS-Unreinforced-Metallic-Look.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Melt Flow	20 g/10 min	20 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	108	108	ASTM D785
Tensile Strength at Break	33.3 MPa	4830 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	43.1 MPa	6260 psi	50 mm/min; ASTM D638
Elongation at Break	16 %	16 %	5 mm/min; ASTM D638
Tensile Modulus	2.26 GPa	327 ksi	5 mm/min; ASTM D638
Flexural Strength	68.6 MPa	9950 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.26 GPa	327 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	
	1.67 J/cm	3.12 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)	89.0 Å°C	192 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

Vicat Softening Point Thermal Properties	98.0 Â°C Metric	208 Â°F English	R/50: ISO R306 Comments
	99.0 Â°C	210 Â°F	B/120; ISO R306

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