

Samsung Cheil Industries Starex[®] LX-0957 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-0957-ABS-Unreinforced-Metallic-Look.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792
Melt Flow	12 g/10 min	12 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	111	111	ASTM D785
Tensile Strength at Break	38.2 MPa	5540 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	45.1 MPa	6540 psi	5 mm/min; ASTM D638
Elongation at Break	31 %	31 %	5 mm/min; ASTM D638
Tensile Modulus	2.16 GPa	313 ksi	5 mm/min; ASTM D638
Flexural Strength	68.6 MPa	9950 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.55 GPa	370 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.47 J/cm	2.76 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)	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	95.0 Å°C	203 Å°F	B/50; ISO R306

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB @Thickness 1.20 - 1.32 mm	HB @Thickness 0.0472 - 0.0520 in	CP, LD, HD, R306

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