

Samsung Cheil Industries Starex® LX-0951 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-0951-ABS-Unreinforced-Metallic-Look.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Water Absorption	0.050 % @Temperature 23.0 Â°C	0.050 % @Temperature 73.4 Â°F	ASTM D570
Melt Flow	29 g/10 min @Load 10.0 kg, Temperature 220 Â°C	29 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ASTM D785
Tensile Strength, Yield	45.1 MPa	6540 psi	50 mm/min; ASTM D638
Elongation at Break	14 %	14 %	50 mm/min; ASTM D638
Flexural Strength	67.7 MPa	9820 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.35 GPa	341 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.37 J/cm @Thickness 6.35 mm	2.57 ft-lb/in @Thickness 0.250 in	ASTM D256
	1.47 J/cm @Thickness 3.17 mm	2.76 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 Â°C @Thickness 6.40 mm	185 Â°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	96.0 Â°C	205 Â°F	B/50; ISO R306

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