

Samsung Cheil Industries Starex^Â® LX-0989EXS 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-0989EXS-ABS-Unreinforced-Metallic-Look.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0070 - 0.0080 cm/cm @Thickness 3.20 mm	0.0070 - 0.0080 in/in @Thickness 0.126 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0065 cm/cm @Thickness 3.20 mm	0.0065 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	10 g/10 min @Load 10.0 kg, Temperature 220 Â°C	10 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength at Break	36.3 MPa	5260 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	43.1 MPa	6260 psi	5 mm/min; ASTM D638
Elongation at Break	25 %	25 %	5 mm/min; ASTM D638
Tensile Modulus	2.16 GPa	313 ksi	5 mm/min; ASTM D638
Flexural Strength	65.7 MPa	9530 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.45 GPa	356 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
	1.77 J/cm @Thickness 3.17 mm	3.31 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
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Thermal Properties	86.0 Å°C Metric	187 Å°F English	Comments
Stress at Break at 1.8 MPa (264 psi)	@Thickness 6.40 mm	@Thickness 0.252 in	ASTM D306
Vicat Softening Point	96.0 Å°C	205 Å°F	B/50; ISO R306

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