

## Samsung Cheil Industries Starex<sup>®</sup> LX-0987EXS 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-0987EXS-ABS-Unreinforced-Metallic-Look.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-LX-0987EXS-ABS-Unreinforced-Metallic-Look.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Water Absorption	0.050 % @Temperature 23.0 Â°C	0.050 % @Temperature 73.4 Â°F	ASTM D570
Linear Mold Shrinkage, Flow	0.0060 - 0.0070 cm/cm @Thickness 3.20 mm	0.0060 - 0.0070 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	12 g/10 min @Load 10.0 kg, Temperature 220 Â°C	12 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	107	107	ASTM D785
Tensile Strength at Break	34.3 MPa	4970 psi	50 mm/min; ASTM D638
Tensile Strength, Yield	46.1 MPa	6680 psi	50 mm/min; ASTM D638
Elongation at Break	14 %	14 %	50 mm/min; ASTM D638
Tensile Modulus	1.96 GPa	284 ksi	50 mm/min; ASTM D638
Flexural Strength	64.7 MPa	9380 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.35 GPa	341 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	2.26 J/cm @Thickness 6.35 mm	4.22 ft-lb/in @Thickness 0.250 in	ASTM D256
	2.35 J/cm @Thickness 3.17 mm	4.41 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	98.0 Å°C @Thickness 6.40 mm	208 Å°F @Thickness 0.252 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	86.0 Å°C @Thickness 6.40 mm	187 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	97.0 Å°C	207 Å°F	B/50; ISO R306
	102 Å°C	216 Å°F	B/120; ISO R306

## Contact Songhan Plastic Technology Co.,Ltd.

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