


**Lotte Advanced Materials Starex® LX-0970 MS ABS, Unreinforced Metallic-Look (discontinued \*\*)**

Categories: [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.

**Vendors:** No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Specific Gravity	<a href="#">1.05</a> g/cc	<a href="#">1.05</a> g/cc	ASTM D792
Melt Flow	<a href="#">20</a> g/10 min @Load 10.0 kg, Temperature 220 °C	<a href="#">20</a> g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238
Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ASTM D785
Tensile Strength at Break	<a href="#">33.3</a> MPa	<a href="#">4830</a> psi	5 mm/min; ASTM D638
Tensile Strength, Yield	<a href="#">43.1</a> MPa	<a href="#">6260</a> psi	50 mm/min; ASTM D638
Elongation at Break	16 %	16 %	5 mm/min; ASTM D638
Tensile Modulus	<a href="#">2.26</a> GPa	<a href="#">327</a> ksi	5 mm/min; ASTM D638
Flexural Strength	<a href="#">68.6</a> MPa	<a href="#">9950</a> psi	2.8 mm/min; ASTM D790
Flexural Modulus	<a href="#">2.26</a> GPa	<a href="#">327</a> ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched 	<a href="#">1.57</a> J/cm @Thickness 6.35 mm	<a href="#">2.94</a> ft-lb/in @Thickness 0.250 in	ASTM D256
	<a href="#">1.67</a> J/cm @Thickness 3.17 mm	<a href="#">3.12</a> ft-lb/in @Thickness 0.125 in	ASTM D256
Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	<a href="#">95.0</a> °C @Thickness 6.40 mm	<a href="#">203</a> °F @Thickness 0.252 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	<a href="#">89.0</a> °C @Thickness 6.40 mm	<a href="#">192</a> °F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	<a href="#">98.0</a> °C	<a href="#">208</a> °F	B/50; ISO R306
	<a href="#">99.0</a> °C	<a href="#">210</a> °F	B/120; ISO R306

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Materials flagged as discontinued (  ) are no longer part of the manufacturer's standard product line according to our latest information. These materials may be available by special order, in distribution inventory, or reinstated as an active product. Data sheets from materials that are no longer available remain in MatWeb to assist users in finding replacement materials.

Users of our Advanced Search (registration required) may exclude discontinued materials from search results.

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