

Samsung Cheil Industries Starex® SL-0110 ABS, Unreinforced

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-SL-0110-ABS-Unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 g/cc	1.03 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 - 0.0070 cm/cm @Thickness 3.20 mm	0.0040 - 0.0070 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	7.5 g/10 min @Load 10.0 kg, Temperature 220 Â°C	7.5 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	97	97	ASTM D785
Tensile Strength, Yield	32.4 MPa	4690 psi	20 mm/min; ASTM D638
Elongation at Break	80 %	80 %	20 mm/min; ASTM D638
Flexural Strength	44.1 MPa	6400 psi	2.8 mm/min; ASTM D790
Flexural Modulus	1.57 GPa	228 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.588 J/cm @Thickness 6.35 mm	1.10 ft-lb/in @Thickness 0.250 in	ASTM D256
	0.686 J/cm @Thickness 3.17 mm	1.29 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	97.0 Â°C	207 Â°F	B/50; ISO R306
Flammability, UL94	HB @Thickness 1.50 - 3.20 mm	HB @Thickness 0.0591 - 0.126 in	

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