

Samsung Cheil Industries Starex® LH-0300 ABS, Unreinforced Heat Resistant

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Heat Resistant, 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-LH-0300-ABS-Unreinforced-Heat-Resistant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0042 cm/cm @Thickness 3.20 mm	0.0042 in/in @Thickness 0.126 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0048 cm/cm @Thickness 3.20 mm	0.0048 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	10 g/10 min @Load 10.0 kg, Temperature 220 °C	10 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength at Break	32.5 MPa	4710 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	34.7 MPa	5040 psi	5 mm/min; ASTM D638
Elongation at Break	51 %	51 %	5 mm/min; ASTM D638
Tensile Modulus	1.7327 GPa	251.31 ksi	5 mm/min; ASTM D638
Flexural Strength	45.6 MPa	6610 psi	2.8 mm/min; ASTM D790
Flexural Modulus	1.7253 GPa	250.23 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.981 J/cm @Thickness 6.35 mm	1.84 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 0.46 MPa (66 psi)	99.0 °C @Thickness 6.40 mm	210 °F @Thickness 0.252 in	ASTM D648

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	100 Å°C @Thickness 6.40 mm	212 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	100 Å°C	212 Å°F	B/50; ISO R306

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