

Samsung Cheil Industries Starex® NT-7310 ABS, Unreinforced FR

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Unreinforced, Flame Retardant

Material Notes:

Flame-retardant ABS that can be used in printer frames etc. Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-NT-7310-ABS-Unreinforced-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	20 g/10 min @Load 10.0 kg, Temperature 220 Â°C	20 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	31.4 MPa	4550 psi	5 mm/min; ASTM D638
Elongation at Break	10 %	10 %	5 mm/min; ASTM D638
Flexural Strength	49.0 MPa	7110 psi	2.8 mm/min; ASTM D790
Flexural Modulus	1.86 GPa	270 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.27 J/cm @Thickness 6.35 mm	2.39 ft-lb/in @Thickness 0.250 in	ASTM D256
	1.57 J/cm @Thickness 3.17 mm	2.94 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	80.0 Â°C @Thickness 6.40 mm	176 Â°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	90.0 Â°C	194 Â°F	B/50; ISO R306
Flammability, UL94	V-0 @Thickness 1.50 - 3.00 mm	V-0 @Thickness 0.0591 - 0.118 in	

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