

Samsung Cheil Industries Starex[®] NH-0825 ABS, Unreinforced FR

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

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-NH-0825-ABS-Unreinforced-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 - 0.0060 cm/cm @Thickness 3.20 mm	0.0030 - 0.0060 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	8.2 g/10 min @Load 5.00 kg, Temperature 200 Â°C	8.2 g/10 min @Load 11.0 lb, Temperature 392 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	41.2 MPa	5970 psi	50 mm/min; ASTM D638
Flexural Strength	64.7 MPa	9380 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.16 GPa	313 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	2.16 J/cm @Thickness 3.17 mm	4.04 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	78.0 Â°C @Thickness 6.40 mm	172 Â°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	88.0 Â°C	190 Â°F	B/50; ISO R306
Flammability, UL94	V-2 @Thickness 0.750 - 3.00 mm	V-2 @Thickness 0.0295 - 0.118 in	

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