

Samsung Cheil Industries Starex[®] VE-0813 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-VE-0813-ABS-Unreinforced-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 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	6.0 g/10 min @Load 5.00 kg, Temperature 200 Å°C	6.0 g/10 min @Load 11.0 lb, Temperature 392 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	99	99	ASTM D785
Tensile Strength, Yield	40.2 MPa	5830 psi	5 mm/min; ASTM D638
Flexural Strength	59.8 MPa	8670 psi	2.8 mm/min; ASTM D638
Flexural Modulus	2.16 GPa	313 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	0.981 J/cm @Thickness 6.35 mm	1.84 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	81.0 Å°C @Thickness 6.40 mm	178 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	91.0 Å°C	196 Å°F	B/50; ISO R306
Flammability, UL94	V-0 @Thickness 2.00 - 3.00 mm	V-0 @Thickness 0.0787 - 0.118 in	

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