

Samsung Cheil Industries Starex® VB-4921 ABS, Glass Filled FR

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 10% Glass Fiber Filled

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-VB-4921-ABS-Glass-Filled-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm @Thickness 3.20 mm	0.0010 - 0.0030 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	13 g/10 min @Load 10.0 kg, Temperature 250 Â°C	13 g/10 min @Load 22.0 lb, Temperature 482 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	83.4 MPa	12100 psi	5 mm/min; ASTM D638
Flexural Strength	108 MPa	15700 psi	2.8 mm/min; ASTM D638
Flexural Modulus	5.49 GPa	797 ksi	2.8 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	98.0 Â°C @Thickness 6.40 mm	208 Â°F @Thickness 0.252 in	ASTM D648
Flammability, UL94	V-2 @Thickness 2.10 mm	V-2 @Thickness 0.0827 in	
	V-1 @Thickness 2.10 mm	V-1 @Thickness 0.0827 in	

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