

Samsung Cheil Industries Starex[®] VE-0852 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-0852-ABS-Unreinforced-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 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	1.6 g/10 min @Load 5.00 kg, Temperature 200 Å°C	1.6 g/10 min @Load 11.0 lb, Temperature 392 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	79	79	ASTM D785
Tensile Strength at Break	28.4 MPa	4120 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	33.3 MPa	4840 psi	5 mm/min; ASTM D638
Elongation at Break	56 %	56 %	5 mm/min; ASTM D638
Tensile Modulus	1.47 GPa	213 ksi	5 mm/min; ASTM D638
Flexural Strength	48.1 MPa	6980 psi	2.8 mm/min; ASTM D638
Flexural Modulus	1.57 GPa	228 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	2.84 J/cm @Thickness 6.35 mm	5.33 ft-lb/in @Thickness 0.250 in	ASTM D256
	4.41 J/cm @Thickness 3.17 mm	8.27 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.0 Å°C @Thickness 6.40 mm	199 Å°F @Thickness 0.252 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	83.0 Å°C @Thickness 6.40 mm	181 Å°F @Thickness 0.252 in	ASTM D648

Thermal Properties Vicat Softening Point	Metric MTC C	English TFC F	Comments B/120; ISO R306
	91.0 Â°C	196 Â°F	B/120; ISO R306

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