

Samsung Cheil Industries Starex® VE-0857 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-0857-ABS-Unreinforced-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 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	3.6 g/10 min @Load 5.00 kg, Temperature 200 Â°C	3.6 g/10 min @Load 11.0 lb, Temperature 392 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	94	94	ASTM D785
Tensile Strength, Yield	39.2 MPa	5690 psi	5 mm/min; ASTM D638
Flexural Strength	57.9 MPa	8400 psi	2.8 mm/min; ASTM D638
Flexural Modulus	1.96 GPa	284 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	1.18 J/cm @Thickness 6.35 mm	2.20 ft-lb/in @Thickness 0.250 in	ASTM D256
	1.96 J/cm @Thickness 3.17 mm	3.67 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	79.0 Â°C @Thickness 6.40 mm	174 Â°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	89.0 Â°C	192 Â°F	B/50; ISO R306
Flammability, UL94	V-0 @Thickness 1.50 - 3.00 mm	V-0 @Thickness 0.0591 - 0.118 in	
	5VB	5VB	

Thermal Properties	@Thickness 3.00 mm Metric	@Thickness 0.118 in English	Comments
	5VA	5VA	
	@Thickness 2.50 mm	@Thickness 0.0984 in	

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