

**Samsung Cheil Industries Starex<sup>®</sup> VE-0855YS ABS, Unreinforced FR**

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

**Material Notes:**Flame-retardant ABS that can be used in the exterior of monitors  
Information provided by Samsung Cheil Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Samsung-Cheil-Industries-Starex-VE-0855YS-ABS-Unreinforced-FR.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-VE-0855YS-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	0.0020 - 0.0060 cm/cm @Thickness 3.20 mm	0.0020 - 0.0060 in/in @Thickness 0.126 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0020 - 0.0060 cm/cm @Thickness 3.20 mm	0.0020 - 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	90	90	ASTM D785
Tensile Strength, Yield	29.4 MPa	4270 psi	5 mm/min; ASTM D638
Flexural Strength	48.1 MPa	6980 psi	2.8 mm/min; ASTM D638
Flexural Modulus	1.58 GPa	229 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	1.27 J/cm @Thickness 6.35 mm	2.39 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	87.0 Å°C	189 Å°F	B/50; ISO R306
Flammability, UL94	5VB @Thickness 2.50 mm	5VB @Thickness 0.0984 in	

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