

**Samsung Cheil Industries Starex<sup>®</sup> NH-1926 HIPS, Unreinforced FR**

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

**Material Notes:**

Non-halogen flame-retardant HIPS with high-impact that can be used in the exterior of TV and VCR interior/exterior material of OA devices  
Information provided by Samsung Cheil Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Samsung-Cheil-Industries-Starex-NH-1926-HIPS-Unreinforced-FR.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-NH-1926-HIPS-Unreinforced-FR.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D792
Melt Flow	11 g/10 min @Load 5.00 kg, Temperature 200 Å°C	11 g/10 min @Load 11.0 lb, Temperature 392 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	26.5 MPa	3840 psi	50 mm/min; ASTM D638
Flexural Strength	36.3 MPa	5260 psi	2.8 mm/min; ASTM D790
Flexural Modulus	1.97 GPa	286 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.18 J/cm @Thickness 3.17 mm	2.20 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	73.0 Å°C @Thickness 6.40 mm	163 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	84.0 Å°C	183 Å°F	B/50; ISO R306
Flammability, UL94	V-2 @Thickness 3.00 mm	V-2 @Thickness 0.118 in	

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