

**Samsung Cheil Industries Starex<sup>®</sup> SF-301H Expandable Polystyrene (EPS) FR**

Category : Polymer , Thermoplastic , Polystyrene (PS) , Expanded Polystyrene (EPS)

**Material Notes:**

Characteristics: High Strength, High Expansion Typical Application : Insulation Information provided by Samsung Cheil Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Samsung-Cheil-Industries-Starex-SF-301H-Expandable-Polystyrene-EPS-FR.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-SF-301H-Expandable-Polystyrene-EPS-FR.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 - 1.05 g/cc	1.03 - 1.05 g/cc	
Density	0.0149 g/cc	0.000538 lb/in <sup>3</sup>	Based on 70 times expansion
Bead Size	0.720 - 0.960 mm	0.0283 - 0.0378 in	JIS Z8801

Mechanical Properties	Metric	English	Comments
Flexural Strength	3.00 MPa	435 psi	@ 20 kg/m <sup>2</sup> ; ASTM DC201
Compressive Strength	>= 1.30 MPa	>= 189 psi	@ 20 kg/m <sup>2</sup> ; JIS A9511, ASTM D1621

Chemical Properties	Metric	English	Comments
Blowing Agent Content	6.0 - 7.0 %	6.0 - 7.0 %	Pentane

Descriptive Properties	Value	Comments
Blocking	<1%	
Expandability	70 Times	Expansion for 5 min Cheil Method
Fusion	>65%	Cheil Method
Polymer Content	93-94%	

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