

## Samsung Cheil Industries Starex<sup>®</sup> SG-301 Expandable Polystyrene (EPS) High Expansion

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

**Material Notes:**

Typical Application : Large Float  
Information provided by Samsung Cheil Industries.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 - 1.05 g/cc	1.03 - 1.05 g/cc	
Density	0.0160 g/cc	0.000578 lb/in <sup>3</sup>	Based on 65 times expansion
Bead Size	0.720 - 0.960 mm	0.0283 - 0.0378 in	JIS Z8801

Mechanical Properties	Metric	English	Comments
Flexural Strength	2.40 MPa	348 psi	@ 20 kg/m <sup>2</sup> ; ASTM DC201
Compressive Strength	>= 1.10 MPa	>= 160 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	<2%	
Expandability	65 Times	Expansion for 5 min Cheil Method
Fusion	>70%	Cheil Method
Polymer Content	93-94%	

### Contact Songhan Plastic Technology Co.,Ltd.

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