

Samsung Cheil Industries Starex[®] SG-501 Expandable Polystyrene (EPS) High Expansion

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

Material Notes:

Typical Application : Large Float, Fish Box (Large) Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-SG-501-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	0.0297 g/cc	0.00107 lb/in ³	Based on 35 times expansion
Bead Size	0.350 - 0.500 mm	0.0138 - 0.0197 in	JIS Z8801

Mechanical Properties	Metric	English	Comments
Flexural Strength	2.50 MPa	363 psi	@ 25 kg/m ² ; ASTM DC201
Compressive Strength	>= 1.20 MPa	>= 174 psi	@ 25 kg/m ² ; 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	35 Times	Expansion for 5 min Cheil Method
Fusion	>60%	Cheil Method
Polymer Content	93-94%	

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