

Samsung Cheil Industries Starex® SG-302 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-302-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 ³	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 ² ; ASTM DC201
Compressive Strength	>= 1.10 MPa	>= 160 psi	@ 20 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	<1%	
Expandability	65 Times	Expansion for 5 min Cheil Method
Fusion	>65%	Cheil Method
Polymer Content	93-94%	

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