

Samsung Cheil Industries Starex[®] SF-400H 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-400H-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 ³	Based on 70 times expansion
Bead Size	0.500 - 0.720 mm	0.0197 - 0.0283 in	JIS Z8801

Mechanical Properties	Metric	English	Comments
Flexural Strength	2.90 MPa	421 psi	@ 20 kg/m ² ; ASTM DC201
Compressive Strength	>= 1.20 MPa	>= 174 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	<2%	
Expandability	70 Times	Expansion for 5 min Cheil Method
Fusion	>60%	Cheil Method
Polymer Content	93-94%	

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