

## Trelleborg AEM Syntac® 450 Syntactic Foam

Category : Polymer , Thermoset , Epoxy

**Material Notes:**

Syntac® 450 syntactic foam is the high temperature (450°F/232°C) member of the Syntac® product family. A rigid, high strength composite of epoxy resin and hollow glass microspheres, Syntac® 450 maintains its hardness right up to the maximum running temperature and exhibits excellent abrasion resistance. Available in block, sheet and rod form it is easily machined using standard shop tools and offers a lightweight, durable and cost effective alternative to wood, felt and aluminum. All information provided by Trelleborg Emerson & Cuming

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Trelleborg-AEM-Syntac-450-Syntactic-Foam.php](http://www.lookpolymers.com/polymer_Trelleborg-AEM-Syntac-450-Syntactic-Foam.php)

Physical Properties	Metric	English	Comments
Density	0.737 g/cc	0.0266 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	
	@Temperature 232 °C	@Temperature 450 °F	
Compressive Strength	51.0 MPa	7400 psi	
Compressive Modulus	2.35 GPa	341 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	30.6 µm/m-°C	17.0 µin/in-°F	
Specific Heat Capacity	2.09 J/g-°C	0.500 BTU/lb-°F	
Thermal Conductivity	0.156 W/m-K	1.08 BTU-in/hr-ft <sup>2</sup> -°F	
Maximum Service Temperature, Air	232 °C	450 °F	

Descriptive Properties	Value	Comments
Color	Blue	

## Contact Songhan Plastic Technology Co.,Ltd.

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