

Trelleborg AEM Syntac® 351 Syntactic Foam

Category : Polymer , Thermoset , Epoxy

Material Notes:

Syntac® 351 is a castable syntactic composite material of epoxy resin and high performance hollow glass microspheres designed specifically for molding thermoforming plugs and other associated tooling. Supplied pre-blended, Syntac® 351 is prepared by a simple process of warming, deairing, casting, curing and post curing -- with no weighing or mixing involved. On curing it is a rigid, high strength material that exhibits the same properties as shapes machined from Syntac® 350, the corresponding material supplied by Trelleborg CRP in block, sheet and rod form. All information provided by Trelleborg Emerson & Cuming

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trelleborg-AEM-Syntac-351-Syntactic-Foam.php

Physical Properties	Metric	English	Comments
Density	0.673 g/cc	0.0243 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	
	@Temperature 177 °C	@Temperature 350 °F	
Compressive Strength	44.8 MPa	6500 psi	
Compressive Modulus	2.34 GPa	339 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	0.121 W/m-K	0.840 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	177 °C	350 °F	

Descriptive Properties	Value	Comments
Color	White	

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