

Trelleborg Emerson & Cuming Syntac® 350 Composite Materials Syntactic Foam

Category : Polymer , Thermoset , Epoxy

Material Notes:

Syntac 350 foam is a rigid, high strength composite of epoxy resin and microscopic hollow glass microspheres designed specifically for fabricating thermoforming plugs and other associated tooling. 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, aluminum and derlin. Information provided by Emerson & Cuming Composite Materials

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trelleborg-Emerson-Cuming-Syntac-350-Composite-Materials-Syntactic-Foam.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	
	@Temperature 177 °C	@Temperature 351 °F	
Compressive Strength	44.8 MPa	6500 psi	
Shear Strength	20.7 MPa	3000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	31.0 µm/m-°C	17.2 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Specific Heat Capacity	2.09 J/g-°C	0.500 BTU/lb-°F	
Thermal Conductivity	0.120 W/m-K	0.833 BTU-in/hr-ft²-°F	
Maximum Service Temperature, Air	177 °C	351 °F	

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