

### SYNFOAM<sup>®</sup> FP-3 High Temperature, Foam in Place System

#### Product Description:

SynFoam FP-3 is a two part, closed cell, foam in place polyurethane resin system. When cured, FP-3 will provide a rigid structure that is capable of high temperature use up to 135°C. FP-3 is suitable for the encapsulation of electronic modules, rockets, satellites, and antennas. It has been used as a direct replacement for the discontinued Eccostock FPH.

#### Product Benefits:

- High temperature resistance
- Excellent dielectric properties
- Low thermal conductivity
- Vibration and sound deadening ability
- Rapid cure
- Good adhesion to many substrates
- Low density
- Dimensional stability
- Solvent resistance
- Moldability

#### Typical Properties:

Property	Test Method	Value
Density	ASTM D1622	3 pcf
Color		Beige
Dielectric Constant (@1MHz)	ASTM D150	1.04
Dissipation Factor (@1MHZ)	ASTM D150	0.001
Dielectric Strength	ASTM D149	40 volts/mil
Uniaxial Compressive Strength	ASTM D1621	30 psi
Flexural Strength	ASTM D790	25 psi
Tensile Strength	ASTM D1623	40 psi
Coefficient of Thermal Expansion	ASTM D696	25.0 x 10 <sup>-6</sup> /°C

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## Availability:

SynFoam FP-3 is available in quart, gallon and five gallon quantities. SynFoam also provides casting services to fabricate the final part for a customer. Encapsulation can be done on parts if required. Finishing services include painting, bonding, and coating. Please contact our team and supply us with any technical drawings to learn more about our custom services.

## Contact Us:

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