

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

#### Product Description:

SynFoam FP-3 is a two part, closed cell foam in place polyurethane resin system. Upon mixing the A and B side, the system will expand to the final density and rapidly cure to form a rigid structure. 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.

#### Typical Properties:

Property	Value
Density	3 ± 1 pcf
Color	Off-white
Compressive Strength	30 psi
Flex Strength	25 psi
Tensile Strength	50 psi
Operating Temperature, max	280° F
Thermal Conductivity	0.03 W/m-°K
Dielectric Constant @1GHz	1.04
Dissipation Factor @1GHz	0.0001
Dielectric Strength	40 volts/mil

*The values given are of a general nature and do not constitute a product specification. You should thoroughly test any proposed use of our products and independently conclude satisfactory performance in your application*

#### Availability:

SynFoam FP-3 is available as 1 quart, and 1 gallon kits.

#### Contact Us:

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