



# Epoxy Fiberglass Flex Core

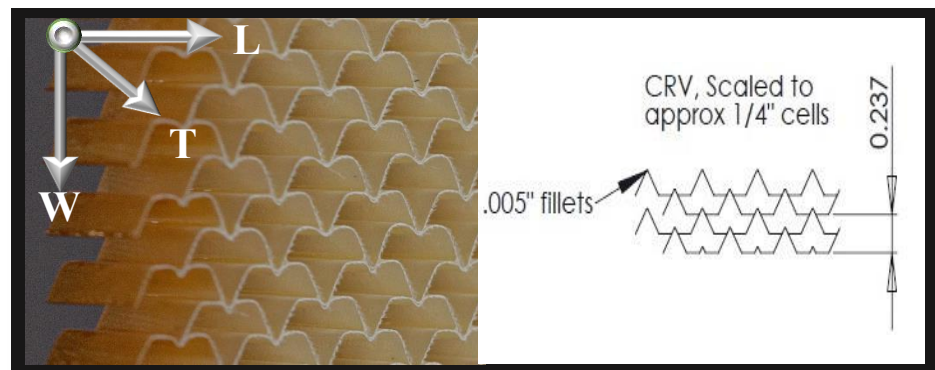
PMT-F22C/106 Glass, 1/4"CRV

PMT Part No. 800625

*A cellular core material for high performance structures.*

This high-strength, medium-density cellular core utilizes style - 106 fiberglass fabric and PMT's F22C epoxy resin system. This combination yields a flexible cellular core for use in contoured sandwich panels that do not need or want the extreme stiffness of carbon core. Epoxy Fiberglass Flex Core is designed specifically for aerospace applications that require a comfortable, high-strength, non-conductive core material. It features PMT's flexible 1/4"CRV cell geometry and has a nominal density of 6lbs/ft<sup>3</sup>.

## Size Chart and Geometry



### STRENGTH

The unique manufacturing process allows for high strength and modulus at medium densities.

### RESILIENCE

The fiberglass and epoxy combination resists moisture creating a stable structure in harsh environments.

### FORMABILITY

The unique cellular geometry allows Epoxy Fiberglass Flex core to conform to curved surfaces

Sheet Dimensions	Minimum (in)	Maximum (in)	Tolerance (in)
Thickness (T)	0.125	18	0.005
Length (L)	12	96	0.5
Width (W)	12	48	0.5

# Mechanical Properties

Examination or Test	Typical Result**	Test Method
Density	6.0 lb/ft <sup>3</sup>	ASTM C271
Glass Transition Temperature (DMA Tg)	356°F	ASTM D7028
Compression Strength*	968 psi	ASTM C365
Shear Strength*		
L-Direction	545 psi	ASTM C 273
W-Direction	335 psi	
Shear Modulus*		
L-Direction	37.0 ksi	ASTM C 273
W-Direction	13.5 ksi	
Max. Radius of Curvature*	5"	NA

\* Tested at 0.5-inch thickness

\*\*Properties are nominal and may differ for specific lots



Manufactured by **Patz Materials and Technologies**  
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