

**GRAFOAM® Carbon Foam FPA-02**

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GRAFOAM® FPA-02 is a carbon foam product that has a nominal density of 2 lb/ft<sup>3</sup>. The material has unique properties such as high strength and lightweight, and is an excellent thermal insulator at temperatures up to 1000°C.

**Typical Applications**

- Applications in high temperature and corrosive environments
- Other applications include composite tooling, insulation, fire resistant panels and batteries

**Sizes**

FPA-02: 6" X 18" X 72"  
Other sizes available upon request

<u>Typical Properties at Room Temperature</u>				
	<u>ENGLISH</u>		<u>METRIC</u>	
Bulk Density	lbs/ft <sup>3</sup>	1.9	g/cm <sup>3</sup>	0.03
CTE (30-100°C)	X 10 <sup>-6</sup> /°F	1.3	X 10 <sup>-6</sup> /°C	2.3
Specific Resistance (WR)	Ω in.	0.59	μΩm	15000
Specific Resistance (AR)	Ω in.		μΩm	
Compressive Strength (WR)	psi	29	MPa	0.2
Compressive Strength (AR)	psi		MPa	
Apparent Porosity	%	98.6	%	98.6
Thermal Conductivity (WR) (room temperature)	BTU/hr-ft-°F	0.03	W/mK	0.06
Thermal Conductivity (AR) (room temperature)	BTU/hr-ft-°F		W/mK	
Shear Strength (torsional)	psi	7	MPa	0.05

Note: It is not recommended that FPA-02 be used in oxidizing atmospheres above 200°C.

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