

**GRAFOAM® Carbon Foam FPA-35**

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GRAFOAM® FPA-35 is a carbon foam product that has a nominal density of 35 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-35: 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>	34.9	g/cm <sup>3</sup>	0.560
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.	0.02	μΩm	400
Specific Resistance (AR)	Ω in.		μΩm	
Young's Modulus	psi X 10 <sup>6</sup>	0.51	GPa	3.50
Compressive Strength (WR)	psi	8702	MPa	60
Compressive Strength (AR)	psi		MPa	
Gas Permeability	Darcy	0.02	Darcy	0.02
Apparent Porosity	%	61	%	61
Thermal Conductivity (WR) (room temperature)	BTU/hr-ft-°F	0.17	W/mK	0.30
Thermal Conductivity (AR) (room temperature)	BTU/hr-ft-°F		W/mK	

Note: It is not recommended that FPA-35 be used in oxidizing atmospheres above 200°C.

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