



ATA™ Graphite

GrafTech International is a global leader in graphite and carbon products. We enable customer leadership better and faster than our competition, through the creation, innovation and manufacture of carbon and graphite material science based solutions.

Grade ATA™ Graphite

Economical grade ATA™ is the lowest density version of isostatically molded, fine grain grade ATJ™ family of graphite materials.

Typical Applications

- ATA™ material is used in general-purpose applications where a fine grain structure and surface finish are needed.

Sizes

Inches	MM
16" x 16" x 65" rectangles	407 x 407 x 1651 mm rectangles
12" x 25" x 80" rectangles	305 x 635 x 2032 mm rectangles
8" - 24" diameter x 72" long rounds	203-610 mm x 1829 mm long rounds

Typical Properties at Room Temperature

	<u>ENGLISH</u>	<u>WG</u>	<u>METRIC</u>	<u>WG</u>	<u>SI</u>	<u>WG</u>
Density	lbs/ft ³	100	g/cm ³	1.60	g/cm ³	1.60
Maximum Particle Size	Inches	0.001	mm	0.03	mm	0.03
Specific Resistance	10 ⁻⁴ Ω in.	5.2	μΩm	13.2	μΩm	13.2
Flexural Strength	psi	3000	kg/cm ²	200	MPa	21
Young's Modulus	10 ⁶ psi	1.10	kg/mm ²	772	GPa	7.6
Tensile Strength	psi	2600	kg/cm ²	180	MPa	18
Compressive Strength	psi	6350	kg/cm ²	450	MPa	44
Permeability	Darcy	0.026	Darcy	0.026	Darcy	13.2
Hardness	Rockwell "L"	25	Rockwell "L"	25	Rockwell "L"	25
C.T.E. (to 100 °C)	10 ⁻⁶ /°F	1.5	10 ⁻⁶ /°C	2.7	10 ⁻⁶ /K	2.7
Thermal Conductivity	BTU-ft/hr ft ² °F	49	W/mK	85	W/mK	85
Ash Content	%	.09	%	.09	%	.09

This information is based on data believed to be reliable but GrafTech makes no warranties, express or implied, as to its accuracy and assumes no liability arising out of its use. The data listed falls within the normal range of product properties but should not be used to establish specification limits or used alone as the basis of design. GrafTech's liability to purchasers is expressly limited to the terms and conditions of sale. ATA and ATJ are trademarks of GrafTech International Holdings Inc.

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