

UCAR Carbon UCAR® ATJ Isostatic Molded Graphite

Category : Carbon , Graphite

Material Notes:

Isostatically molded ATJ has been an industry standard for many years. It is a fine grain, high strength material which can be machined to precise tolerances and a fine surface finish. Grade ATJ has unique thermal shock resistance due to the combination of low thermal expansion, high thermal conductivity and low elastic modulus. Typical Applications: Permanent molds Composite tooling Mandrels Continuous casting dies Hot pressing molds and punches Rocket motor nozzles Plungers and rams Tabular property data is typical. Information provided by UCAR Carbon Company, a GrafTech International Ltd. company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_UCAR-Carbon-UCAR-ATJ-Isostatic-Molded-Graphite.php

Physical Properties	Metric	English	Comments
Density	1.76 g/cc	0.0636 lb/in ³	
Particle Size	25 µm	25 µm	
Ash	0.090 %	0.090 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	32.8 MPa	4750 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	2.80 µm/m-°C	1.56 µin/in-°F	
	@Temperature 20.0 - 100 °C	@Temperature 68.0 - 212 °F	
Thermal Conductivity	120 W/m-K	833 BTU-in/hr-ft ² -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00110 ohm-cm	0.00110 ohm-cm	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China