

UCAR Carbon UCAR® ATR Isostatic Molded Graphite

Category : Carbon , Graphite

Material Notes:

Isostatically molded ATR is a lower density version of grade ATJ. It is a fine grain, high strength material which can be machined to precise tolerances and a fine surface finish. Typical Applications: Rocket motor nozzles Mold cores Hot pressing molds 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-ATR-Isostatic-Molded-Graphite.php

Physical Properties	Metric	English	Comments
Density	1.68 g/cc	0.0607 lb/in ³	
Particle Size	25 µm	25 µm	
Ash	0.090 %	0.090 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	25.5 MPa	3700 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	100 W/m-K	694 BTU-in/hr-ft ² -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00120 ohm-cm	0.00120 ohm-cm	

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