

GRAPHITAR®

US Graphite is a 100+ year provider
of mechanical carbon

Material Production occurs in Saginaw, MI

- Headquarters of the company
- Proven methodology of carbon production for over 100 years
- Grades of material to meet all customer specifications
- Full service Engineering department to assist in identifying and developing materials for all applications

Machining in Saginaw and Acuna Mexico/Del Rio Texas

- Full capabilities in finish machining
- Across the border from Del Rio, Texas with quick service to US customers
- Recent facility expansion for rapid production and cost effectiveness
- Skilled machinists
- ITAR registered

**Industries we
serve:**

- **Aerospace/
Defense**
- **Marine**
- **Nuclear**
- **Food Service**
- **Automotive**
- **Electrical/
Pumps**

US Graphite is a custom provider of material specific to your requirements and applications. Our experience includes:

Air Bearings

- Bearings up to 7 1/8" length
- Molded for specific airflow
- Air Flow Plates/Tables

Grade 3004 Data Sheet Attached



GRAPHITAR®

Product Data Sheet

Grade 3004

TYPICAL GRADE CHARACTERISTICS

Scleroscope Hardness	70
Compressive Strength, psi	11,000
Flexural Strength, psi (TBS)	3,000
Modulus of Elasticity, psi x 10 ⁶	1.6
Coefficient of Thermal Expansion, in/in°F x 10 ⁶	2.0
Thermal Conductivity, BTU/sq ft/ft°/hr	3.6
Maximum Operating Temperature in Air, °F	700
Apparent Density, gm/cc	Per Order
Available Porosity, % by Volume	14
Composition	CG

Data from standard test specimens fabricated under standard production conditions and tested in the molding direction on conventional laboratory equipment. Variations in physical and mechanical properties may occur due to part configuration, fabrication techniques, or methods of measurement.

US Graphite, Inc.
1620 E. Holland Avenue
Saginaw, MI 48601-2998
Phone: (989) 755-0441

