PRODUCT DATA SHEET

U. S. GRAPHITE CORPORATION

GRAPHITAR™ *GRADE 86*

TYPICAL GRADE CHARACTERISTICS

Scleroscope Hardness	90
Compressive Strength, psi	36,000
Flexural Strength, psi (TBS)	12,500
Tensile Strength, psi	9,500
Modulus of Elasticity, psi x 10^6	3.0
Coefficient of Thermal Expansion, in/in°F x 10^6	2.3
Thermal Conductivity, BTU/sq ft/ft/°/hr	7.6
Maximum Operating Temperature in Air, °F	500
Apparent Density, gm/cc	1.90
Available Porosity, % by Volume	0.5
Composition	CGR

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.

Values are typical and should not be used for specifications.

U.S. Graphite Corporation
1620 EAST HOLLAND AVENUE, SAGINAW, MICHIGAN 48601 USA
TEL: 989 755 0441
EMAIL: sales@usgraphite.net