

GRAPHITE

Sheets & Plate

PROPERTIES/BENEFITS

High Temperature

Up to 4000°F

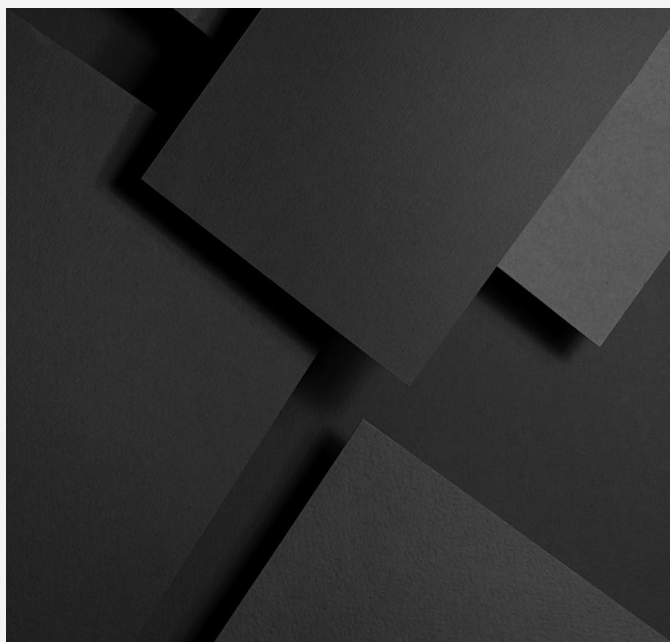
Corrosion Resistance

Electrically Conductive

Fine Grain Extruded
Self-Lubricating Carbon

Hi Load Capacity

Up to 2,000 psi



APPLICATIONS

Aerospace & Autos

Petrochemical Plants

Energy, Mining &
Nuclear

Semiconductors &
Particle Accelerators

Flare Stacks &

Furnaces

Available in Sheets & Plate, or Cut-to-Size or as a Slide Plate Assembly:

[GRM Graphite Slide Plates](#)

PROPERTIES	TEST METHOD	TYPICAL RESULT
Bulk Density (lbs/ft ³)	ASTM C-838	108
Particle Size (inches)	ASTM C-559	0
Electrical Resistivity (Ohm's - inch)	ASTM C-830	3.25
Flexural Strength (psi)	ASTM C-651	2,300
Compressive Strength (psi)	ASTM C-695	5,100
Tensile Strength (psi)	ASTM C-565	1,900
Porosity (%)	ASTM C-611	18
COE (10 ⁻⁶ /°F)	ASTM E-228	1.4
Thermal Conductivity (Btu-ft/hr-ft ² °F)	ASTM C-201	90
Ash Content (%)	ASTM C-561	0.12
Coefficient of Friction	ASTM C-808	0.10 to 0.02
Hardness	Rockwell "R"	80

Request a quote: sales@grmcp.com Website: www.grmcp.com

Design/specification help: eng@grmcp.com Phone: (936) 441-5910

