

# Grade: GR-5800

Manufacturer: Graphtek LLC  
Method of Manufacturing: Compression Molded  
Description: High strength, high temperature treated carbon-graphite.

PROPERTY	US VALUE	METRIC VALUE
Density	<b>0.067</b> lb/in <sup>3</sup>	<b>1.85</b> gr/cm <sup>3</sup>
Flexural Strength	<b>8500</b> psi	<b>58.6</b> MPa
Compressive Strength	<b>22000</b> psi	<b>151.7</b> MPa
Hardness, Shore D	<b>80</b>	
Thermal Conductivity	<b>40</b> BTU/(h.ft <sup>2</sup> °F/ft)	W/(m <sup>2</sup> . K/m)
CTE	<b>2.0</b> in/in °F x 10 <sup>-6</sup>	Microns/m °C
Temperature (Air)	<b>1200</b> °F	<b>649</b> °C