

## Grade: GR-5800

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

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