

**Grade: GR009G**

**Manufacturer:** Graphtek LLC  
**Method of Manufacturing:** Extruded  
**Description:** Superfine grain, high density extruded graphite rod  
**Comparable grades:** 890S

<b>PROPERTY</b>	<b>US VALUE</b>		<b>METRIC VALUE</b>	
<b>Particle Size</b>	<b>0.008</b>	in	<b>0.02032</b>	cm
<b>Density</b>	<b>0.063</b>	lb/in <sup>3</sup>	<b>1.74</b>	gr/cm <sup>3</sup>
<b>Flexural Strength</b>	<b>3200</b>	psi	<b>22.1</b>	MPa
<b>Compressive Strength</b>	<b>6200</b>	psi	<b>42.7</b>	MPa
<b>Resistivity</b>	<b>4.0</b>	ohmXinX10 <sup>-4</sup>		
<b>Thermal Conductivity</b>	<b>110</b>	BTU/(h.ft <sup>2</sup> °F/ft)	<b>190</b>	W/(m <sup>2</sup> . K/m)
<b>CTE</b>	<b>1.3</b>	in/in °F x 10 <sup>-6</sup>	<b>2.4</b>	Microns/m °C
<b>Temperature (Air)</b>	<b>750</b>	°F	<b>399</b>	°C
<b>Temperature (Inert)</b>	<b>5000</b>	°F	<b>2760</b>	°C
<b>Ash</b>	<b>0.1</b>	%		%