

## Grade: GR030

---

<b>Manufacturer:</b>	Graphtek LLC
<b>Method of Manufacturing:</b>	Extruded
<b>Description:</b>	Fine grain extruded graphite
<b>Comparable grades:</b>	CS G10 HLM

---

PROPERTY	US VALUE	METRIC VALUE
<b>Particle Size</b>	<b>0.03</b> in	<b>0.07620</b> cm
<b>Density</b>	<b>109</b> lb/ft <sup>3</sup>	<b>1.74</b> g/cm <sup>3</sup>
<b>Flexural Strength</b>	<b>2750</b> psi	<b>18.9</b> Mpa
<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>Porosity</b>	<b>18</b> % VOL	<b>18</b> % VOL
<b>CTE</b>	<b>1.4</b> in/in °F x 10 <sup>-6</sup>	<b>2.5</b> Microns/m °C
<b>Resistivity</b>	<b>3.0</b> micro ohm-inch	7.6 micro ohm-m
<b>Thermal Conductivity</b>	<b>100</b> BTU/(h.ft <sup>2</sup> °F/ft)	<b>173</b> W/m°C