

# Grade: GR030

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

PROPERTY	US VALUE		METRIC VALUE	
Particle Size	0.03	in	0.07620	cm
Density	0.063	lb/in <sup>3</sup>	1.75	gr/cm <sup>3</sup>
Flexural Strength	2850	psi	19.7	MPa
Temperature (Air)	750	°F	399	°C
Temperature (Inert)	5000	°F	2760	°C
Porosity	20	% VOL		% VOL
CTE	1.4	in/in °F x 10 <sup>-6</sup>	2.5	Microns/m °C
Resistivity	3.0	ohmXinX10 <sup>-4</sup>		
Thermal Conductivity	100	BTU/(h.ft <sup>2</sup> °F/ft)	173	W/(m <sup>2</sup> . K/m)