

Grade: GR008G

Manufacturer:	Graphtek LLC
Method of Manufacturing:	Extruded
Description:	Superfine grain, high density extruded graphite rod
Comparable grades:	580

PROPERTY	US VALUE		METRIC VALUE	
Particle Size	0.008	in	0.02032	cm
Density	0.064	lb/in ³	1.76	gr/cm ³
Flexural Strength	4200	psi	29.0	MPa
Compressive Strength	8100	psi	55.8	MPa
Resistivity	5.5	ohmXinX10 ⁻⁴		
Thermal Conductivity	75	BTU/(h.ft ² °F/ft)	130	W/(m ² . K/m)
CTE	1.1	in/in °F x 10 ⁻⁶	2.0	Microns/m °C
Temperature (Air)	750	°F	399	°C
Temperature (Inert)	5000	°F	2760	°C
Ash	0.06	%		%