



Graphite Bar Datasheet

Description: Isomolded, very fine grain, high strength and density graphite.

PROPERTY	US VALUE		METRIC VALUE	
Density	0.066	lb/in ³	1.82	gr/cm ³
Particle Size	.0004	in	0.00102	cm
Flexural Strength	8400	psi	57.9	mpa
Compressive Strength	18500	psi	127.6	mpa
Resistivity	5.5	ohm/inx10 ⁻⁴		
Hardness	65	psi	65	kg/mm ²
CTE	3.3	in/in °F x 10 ⁻⁶	5.9	Microns/m °C
Porosity	12	%		%
Thermal Conductivity	48	BTU/(h.ft ² °F/ft)	83	W/(m ² . K/m)
Ash	0.05	%		
Temperature (Air)	750	°F	399	°C
Temperature (Inert)	5000	°F	2760	°C