



**CERAMATERIALS**

*"Your One Stop Shop for Thermal Processing"*

**Extruded Graphite-EGK Series**

**Feature:**

Good mechanical, electrical & thermal properties / Low specific resistance / Relative fine grain size / Low ash content / Ease of precise machining

**Applications:**

Electrodes / Vacuum furnace / Heaters / Heat shields / Electronic tube anodes / Melting and sintering molds for various metals

EXTRUDED	Unit	EGK 1	EGK 2	EGK 3	EGK 4	EGK 5
Bulk Density	g/cc	1.78	1.72	1.72	1.60	1.60
Max Grain Size	mm	0.8	0.8	2	0.8	2
Ash Content	PPM	3000	3000	3000	3000	3000
Electrical Resistivity	$\mu\Omega.m$	$\leq 7$	$\leq 8$	$\leq 8$	$\leq 8$	$\leq 8.5$
Flexural Strength	MPa	19	18	17	12	11
Compressive Strength	MPa	47	45	44	32	30

Rods	Diameter	
Size Range	0-600mm	0-2500mm
Standard Size	50/75/100/200/300/400/500mm	1000/1800/2000mm

**Property Notes:**

- Ash content of all grades can be purified to 50 PPM.
- Special property requirement specially produced.
- Density, mechanical strength and anticorrosion can be improved by further impregnations.

**Size Capability:**

- Larger sizes available by special order.
- Machined parts done to drawings
- Anticorrosion cover available (SiC Cover, Pitch Cover, etc)