



PROPERTIES OF GRAPHITE GRADE ELLOR+25

GENERAL

Isomolded, very fine grain, high strength, isotropic graphite.
Maximum inert atmosphere service temperature 5,000 F (2760 °C)

Standard Size - 12" x 24" x 72"
(308 mm x 620 mm x 1830 mm)

TYPICAL

APPLICATIONS

A high quality EDM graphite. A good universal EDM material which yields both good metal removal rates and wear characteristics, while producing an excellent surface finish.
Surface finish 1.6 to 3.15 Raµm.

PROPERTIES

	Typical Values	
	English Units	SI Units
Bulk Density	114 lbs/ft ³	1,83 g/cm ³
Grain Size	0.0004 inch	9 µm
Specific Resistance	0.00048 ohm-in	1220 µohm.cm
Flexural Strength	8,000 psi	55 MPa
Tensile Strength	5,000 psi	34 MPa
Compressive Strength	17,300 psi	119 MPa
Hardness - Shore	65	65
Hardness - Rockwell H	80	80
Coefficient of Thermal Expansion (400 to 500°C)	3.1 x 10E-6/°F	5,6 x 10E-6/°C
Porosity	8%	8%
Thermal Conductivity	61 Btu-Ft/Ft ² Hr°F	106 W/m°C
Ash	400 ppm	400 ppm

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