



## PROPERTIES OF CARBO GRAPHITE GRADE JP 1300

### GENERAL

Isomolded carbon-graphite available in standard sizes up to 12" x 24" x 72".  
Maximum service temperature in air 650 F (343 °C); maximum service temperature in inert atmosphere 1,800 F (982 °C).

### PROPERTIES

	Typical Values	
	English Units	SI Units
<b>Bulk Density</b>	107 lbs/ft <sup>3</sup>	1,72 g/cm <sup>3</sup>
<b>Grain Size</b>	0.0006 inch	16 µm
<b>Specific Resistance</b>	0.0010 ohm-in	2540 µohm.cm
<b>Flexural Strength</b>	8,400 psi	58 MPa
<b>Compressive Strength</b>	24,000 psi	165 MPa
<b>Shore Hardness</b>	72	72
<b>Coefficient of Thermal Expansion</b>	3.2 x 10E-6/°F	5,8 x 10E-6/°C
<b>Porosity</b>	16%	16%
<b>Thermal Conductivity</b>	10 Btu-Ft/Ft <sup>2</sup> Hr°F	18 W/m°C
<b>Ash</b>	0,20%	0,20%
Maximum block size	12x24x72"	308x620x915 mm

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