



**Graphite Material Datasheet**

**JP-1300**

*JP-1300 is a fine grain, molded graphite material, and the properties are isotropic.*

Common Material Applications: <i>Mechanical Applications</i>
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**Material Properties & Characteristics**

Grain Type:	Fine Grain
Form Process:	Molded Graphite
Special Treatments:	None
Avg. Particle Size:	.000630" [16.002 μ]
Bulk Density:	1.72 g/cm <sup>3</sup>
Shore Hardness:	72 Shore
Electrical Resistivity:	1,000 μΩ-inch
Flexural Strength:	8,400 lbs/in <sup>2</sup>
Compressive Strength:	24,000 lbs/in <sup>2</sup>
Tensile Strength:	N/A
Young's Modulus:	N/A
Thermal Conductivity:	18.0 W/m•°K
Thermal Expansion [CTE]: 748 - 932 °F	3.22 x10-6 /°F
Ash Content:	2,000 ppm
Porosity:	16%
Max. Inert Temperature	1,800° F

*all material specifications presented are considered typical from each of the manufacturers and/or distributors*