



**Graphite Material Datasheet**

**AR-200**

*AR-200 is a superfine grain, molded graphite material, and the properties are isotropic.*

Common Material Applications: EDM Applications
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**Material Properties & Characteristics**

Grain Type:	Superfine Grain
Form Process:	Molded Graphite
Special Treatments:	None
Avg. Particle Size:	.000276" [7 μ]
Bulk Density:	1.78 g/cm <sup>3</sup>
Shore Hardness:	60 Shore
Electrical Resistivity:	500 μΩ-inch
Flexural Strength:	8,700 lbs/in <sup>2</sup>
Compressive Strength:	17,200 lbs/in <sup>2</sup>
Tensile Strength:	5,200 lbs/in <sup>2</sup>
Young's Modulus:	N/A
Thermal Conductivity:	100.3 W/m•°K
Thermal Expansion [CTE]: 752 - 932° F	3.00 x10-6 /°F
Ash Content:	800 ppm
Porosity:	12%
Max. Inert Temperature	Not Available

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