



Ohio Carbon Blank
 GRAPHITE MACHINING EXPERTS

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ISO-9001:2015 Certified Company

Graphite Material Datasheet

AR-200

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

Common Material Applications:

*EDM Applications [Roughing + Finishing], Casting Dies, Punch Dies, Hot Press
 Dies, Furnace Components, Glass Making, & Tooling*

Material Properties & Characteristics

Grain Type:	Superfine Grain
Form Process:	Molded
Special Treatments:	None
Avg Particle Size:	.000276" [7.0 μ]
Bulk Density:	1.78 g/cm ³
Shore Hardness:	60
Electrical Resistivity:	500 μΩ-inch
Flexural Strength:	8,700 lbs/in ²
Compressive Strength:	18,000 lbs/in ²
Tensile Strength:	5,200 lbs/in ²
Young's Modulus:	9.5 GPa
Thermal Conductivity:	100.3 W/m•°K
Thermal Expansion:	3.06 x10-6 /°F [752 - 932° F]
Ash Content:	500 ppm
Porosity:	12.0%
Max Inert Temperature:	5,000° F
Max Block Size:	12 x 24 x 36

all material specifications are considered typical from the manufacturers and/or distributors

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