



Ohio Carbon Blank
 GRAPHITE MACHINING EXPERTS

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ISO-9001:2015 Certified Company

Graphite Material Datasheet

DS-4C

DS-4C is a ultrafine grain grain, copper impregnated, molded graphite material, and the properties are isotropic.

Common Material Applications:

EDM Applications [Finishing]

Material Properties & Characteristics

Grain Type:	Ultrafine Grain
Form Process:	Molded
Special Treatments:	Copper Impregnated
Avg Particle Size:	.000157" [4.0 μ]
Bulk Density:	3.00 g/cm ³
Shore Hardness:	75
Electrical Resistivity:	150 μΩ-inch
Flexural Strength:	19,000 lbs/in ²
Compressive Strength:	28,000 lbs/in ²
Tensile Strength:	N/A
Young's Modulus:	N/A
Thermal Conductivity:	330.0 W/m•°K
Thermal Expansion:	4.17 x10-6 /°F [752 - 932° F]
Ash Content:	N/A
Porosity:	N/A
Max Inert Temperature:	Not Available
Max Block Size:	2 x 8 x 12

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

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