



Graphite Material Datasheet

DS-4C

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

| |
|---|
| Common Material Applications: EDM Applications |
|---|

Material Properties & Characteristics

| | |
|--|----------------------------|
| Grain Type: | Ultrafine Grain |
| Form Process: | Molded Graphite |
| Special Treatments: | Copper Impregnated |
| Avg. Particle Size: | .000157" [4 μ] |
| Bulk Density: | 3.00 g/cm ³ |
| Shore Hardness: | 75 Shore |
| 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: | N/A |
| Thermal Expansion [CTE]: 752 - 932° F | 4.17 x10-6 /°F |
| Ash Content: | N/A |
| Porosity: | N/A |
| Max. Inert Temperature | Not Available |

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