



Graphite Material Datasheet

UT-3

UT-3 is a medium grain, molded graphite material, and the properties are isotropic.

Common Material Applications: <i>Non-EDM Applications</i>
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Material Properties & Characteristics

Grain Type:	Medium Grain
Form Process:	Molded Graphite
Special Treatments:	None
Avg. Particle Size:	.001693" [43 μ]
Bulk Density:	1.78 g/cm ³
Shore Hardness:	60 Shore
Electrical Resistivity:	453 μΩ-inch
Flexural Strength:	5,800 lbs/in ²
Compressive Strength:	11,000 lbs/in ²
Tensile Strength:	3,600 lbs/in ²
Young's Modulus:	N/A
Thermal Conductivity:	110.0 W/m•°K
Thermal Expansion [CTE]: 32 - 212° F	2.46 x10-6 /°F
Ash Content:	500 ppm
Porosity:	14%
Max. Inert Temperature	Not Available

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