



Graphite Material Datasheet

UT-2E

UT-2E is a coarse grain, extruded graphite material, and the properties are anisotropic.

Common Material Applications: <i>Furnace Applications</i>
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Material Properties & Characteristics

Grain Type:		Coarse Grain
Form Process:		Extruded Graphite
Special Treatments:		None
Avg. Particle Size:		.031496" [800 μ]
Bulk Density:		1.72 g/cm ³
Shore Hardness:		40 Shore
Electrical Resistivity:	WG AG	315 μΩ-inch N/A
Flexural Strength:	WG AG	2,400 lbs/in ² N/A
Compressive Strength:	WG AG	5,075 lbs/in ² N/A
Tensile Strength:	WG AG	1,875 lbs/in ² N/A
Young's Modulus:	WG AG	N/A N/A
Thermal Conductivity:	WG AG	160.0 W/m•°K N/A
Thermal Expansion [CTE]: 32 - 932° F	WG AG	1.40 x10-6 /°F N/A
Ash Content:		1,200 ppm
Porosity:		18%
Max. Inert Temperature		Not Available

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