



Ohio Carbon Blank
 GRAPHITE MACHINING EXPERTS

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ISO-9001:2015 Certified Company

Graphite Material Datasheet

CC-1940

CC-1940 is a fine grain grain, molded graphite material, and the properties are isotropic.

Common Material Applications:

Continuous Casting Applications, including Wear Components

Material Properties & Characteristics

Grain Type:	Fine Grain
Form Process:	Molded
Special Treatments:	None
Avg Particle Size:	.000512" [13.0 μ]
Bulk Density:	1.79 g/cm ³
Shore Hardness:	63
Electrical Resistivity:	520 μΩ-inch
Flexural Strength:	6,300 lbs/in ²
Compressive Strength:	13,000 lbs/in ²
Tensile Strength:	3,800 lbs/in ²
Young's Modulus:	9.2 GPa
Thermal Conductivity:	95.1 W/m•K
Thermal Expansion:	2.39 x10-6 /°F [N/A]
Ash Content:	3,000 ppm
Porosity:	12.0%
Max Inert Temperature:	5,000° F
Max Block Size:	12 x 25 x 41

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

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