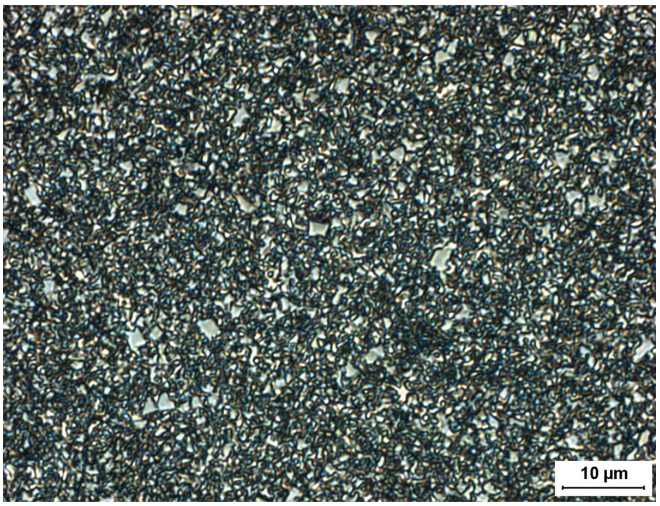
GENERALCARBIDE®
SHAPING YOUR SUCCESS

GRADE DATA SHEET

GC-109



Microstructure

Composition	
Tungsten Carbide (Fine)	91.0%
Cobalt	9.0%

Physical Properties	
Hardness, HRA (ASTM B294)	90.8 - 92.3
Density, g/cc (ASTM B311)	14.49 - 14.70
Average Transverse Rupture Strength, psi (ASTM B406)	525,000
Typical Porosity (ASTM B276)	A02-B00-C00

PERFORMANCE CHARACTERISTICS

	LESS ■ ■ ■ □ □ MORE
Wear Resistance	■ ■ ■ □ □
Impact Resistance	■ ■ □ □ □
Galling Resistance	■ □ □ □ □
Corrosion Resistance	■ □ □ □ □

To ensure the highest metallurgical quality, General Carbide processes all grades in sinter-HIP furnaces.

Grade Attributes

The fine carbide particle size coupled with the intermediate binder content provides an efficient wear resistant grade with some anti-galling properties and moderate impact resistance.

Typical Applications

> Wire Drawing Inserts
> Wear Sleeves
> Rods
> Nozzles
> Bushings
> Rings
> Miscellaneous Wear Parts

Please visit our website for the latest grade specification information.

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