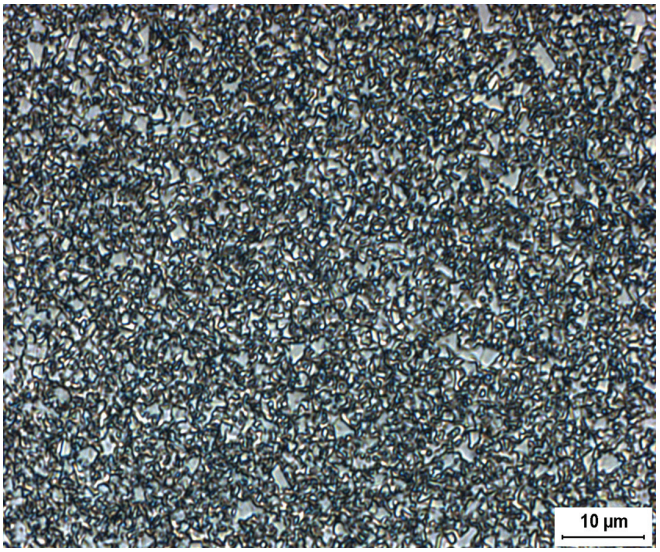
GENERALCARBIDE®
SHAPING YOUR SUCCESS

GRADE DATA SHEET

GC-106



Microstructure

Composition	
Tungsten Carbide (Fine)	94.0%
Cobalt	6.0%

Physical Properties	
Hardness, HRA (ASTM B294)	91.5 - 93.0
Density, g/cc (ASTM B311)	14.79 - 15.02
Average Transverse Rupture Strength, psi (ASTM B406)	510,000
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 low binder content provides a wear resistant grade with good cutting properties.

Typical Applications

- > Wire Drawing Inserts & Dies
- > Saw Blanks
- > Wear Sleeves
- > Cutters
- > Seal Rings
- > Crush Rolls
- > EDM Blanks
- > Carbide Rods
- > Forming Tools
- > Nozzles
- > Liners
- > Bushings
- > Rings
- > Valve Parts

Please visit our website for the latest grade specification information.

GENERALCARBIDE®

1151 Garden Street
Greensburg, PA 15601-6417 USA

T 800.245.2465 • 724.836.3000
F 800.547.2659 • 724.836.6274

sales@generalcarbide.com
www.generalcarbide.com