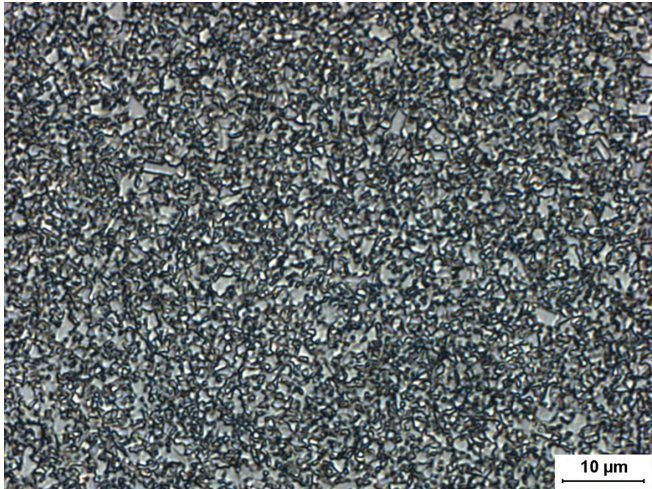




GC-103



Microstructure

Composition

Tungsten Carbide (1.3 micron)	96.30%
Cobalt	3.70%

Physical Properties

Hardness, HRA (ASTM B294)	92.7 - 93.5
Density, g/cc (ASTM B311)	15.12 - 15.21
Average Transverse Rupture Strength, psi (ASTM B406)	480,000
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. This grade has a very low resistance to thermal and mechanical shock (impact type loading).

Typical Applications

- > Grit Blast Nozzles
- > Wear Sleeves
- > Cutters
- > Knives



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