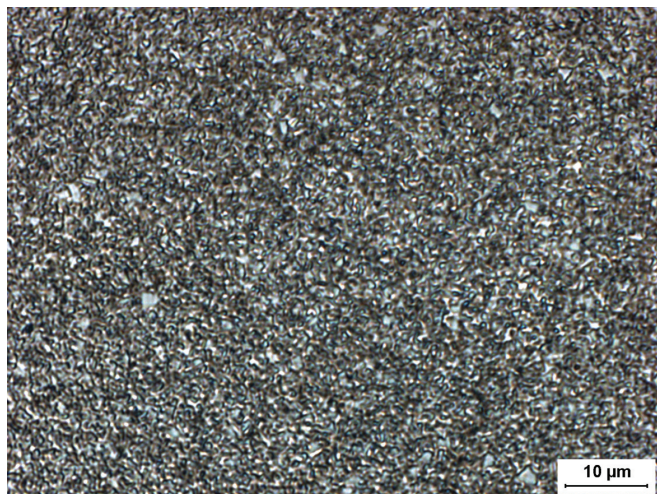


GC-005



Microstructure

Composition

Tungsten Carbide (Submicron)	94.5%
Cobalt	5.5%

Physical Properties

Hardness, HRA (ASTM B294)	93.0 - 94.5
Density, g/cc (ASTM B311)	14.82 - 15.04
Average Transverse Rupture Strength, psi (ASTM B406)	445,000
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 submicron carbide grain size coupled with the low binder content provides a very hard and wear resistant grade. This grade has a relatively low resistance to mechanical and thermal shock, but can withstand moderate corrosive attack.

Typical Applications

- > Saw Blanks
- > Wear Sleeves
- > Cutters
- > Crush Rolls
- > Rods
- > Rings
- > Grit Blast Nozzles
- > Liners
- > Bushings

Please visit our website for the latest grade specification information.