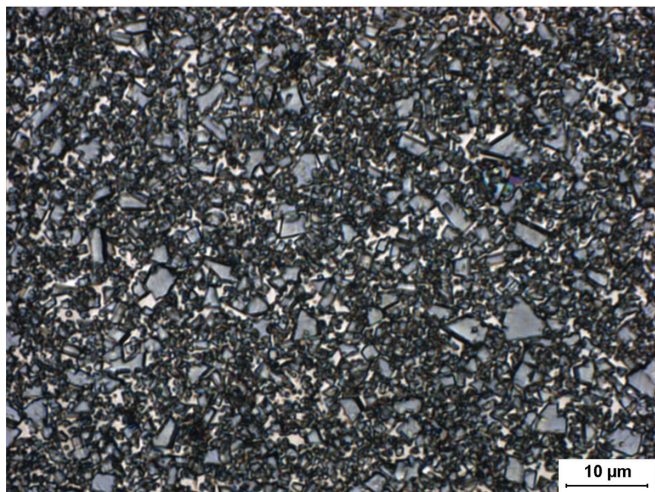


GC-313



Microstructure

Composition

Tungsten Carbide (Medium)	87.0%
Cobalt	13.0%

Physical Properties

Hardness, HRA (ASTM B294)	88.0 - 90.5
Density, g/cc (ASTM B311)	13.90 - 14.30
Average Transverse Rupture Strength, psi (ASTM B406)	515,000
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 medium carbide particle size coupled with the medium binder content provides a grade with moderate impact and wear resistance.

Typical Applications

- > Wire Drawing Dies
- > Metalforming
Punches & Dies
- > Tube Drawing Inserts
- > Extrusion Die Inserts
- > Powder Metal Dies
& Core Pins
- > Can Body Punches
- > Can Die Rings
- > EDM Blanks
- > Mandrels
- > Bushings

Please visit our website for the latest grade specification information.