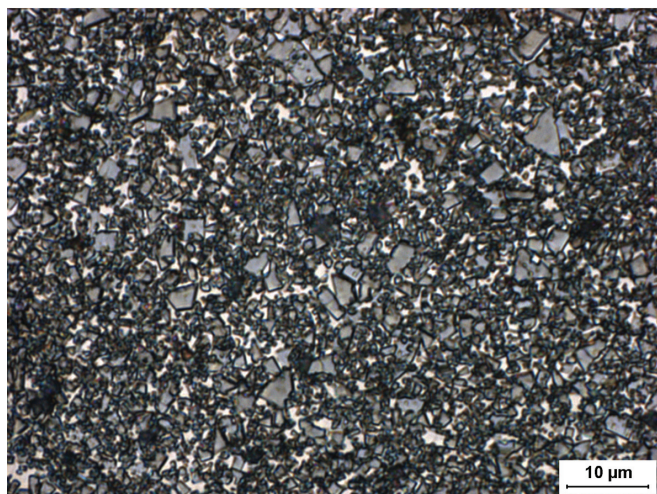


GC-313T



Microstructure

Composition

Tungsten Carbide (Medium)	85.0%
Cobalt	13.0%
Tantalum Carbide	2.0%

Physical Properties

Hardness, HRA (ASTM B294)	88.5 - 91.0
Density, g/cc (ASTM B311)	13.95 - 14.25
Average Transverse Rupture Strength, psi (ASTM B406)	490,000
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 wear resistant grade with moderate resistance to impact. The presence of the tantalum carbide additive ensures high resistance to galling.

Typical Applications

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

Please visit our website for the latest grade specification information.