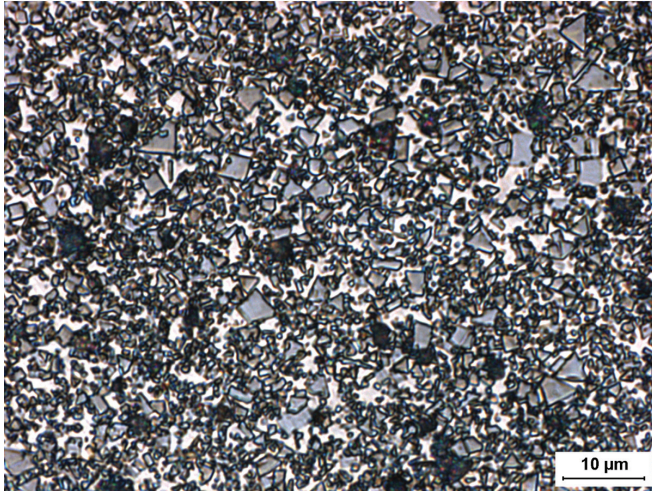




GC-320T



Microstructure

Composition

Tungsten Carbide (Medium)	77.0%
Cobalt	20.0%
Tantalum Carbide	3.0%

Physical Properties

Hardness, HRA (ASTM B294)	85.0 - 86.8
Density, g/cc (ASTM B311)	13.44 - 13.62
Average Transverse Rupture Strength, psi (ASTM B406)	450,000
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 grain size coupled with the higher binder content provides a strong grade that can withstand heavy impact loads. The tantalum carbide additive ensures the highest resistance to galling.

Typical Applications

- > Metalforming Dies
- > Heading Die Inserts
- > Mandrels

Please visit our website for the latest grade specification information.



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