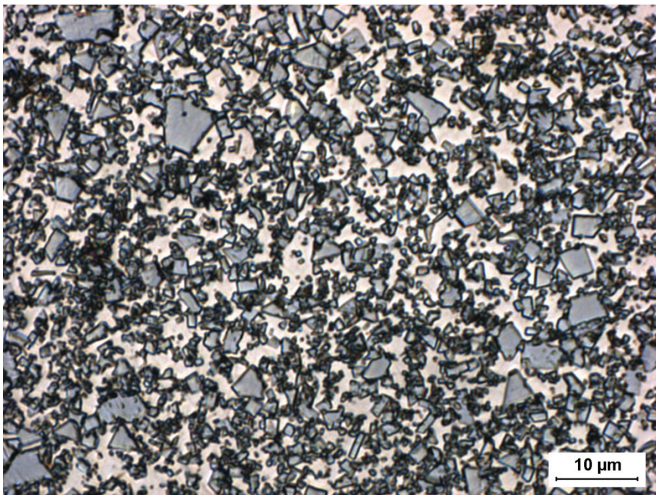
GENERALCARBIDE®
SHAPING YOUR SUCCESS

GRADE DATA SHEET

GC-325



Microstructure

Composition	
Tungsten Carbide (Medium)	75.0%
Cobalt	25.0%

Physical Properties	
Hardness, HRA (ASTM B294)	82.5 - 84.7
Density, g/cc (ASTM B311)	13.03 - 13.23
Average Transverse Rupture Strength, psi (ASTM B406)	440,000
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.

Typical Applications

> Metalforming Dies
> Tube Drawing Inserts
> Rods
> Heading Die Inserts
> Mandrels
> Bushings

Please visit our website for the latest grade specification information.

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