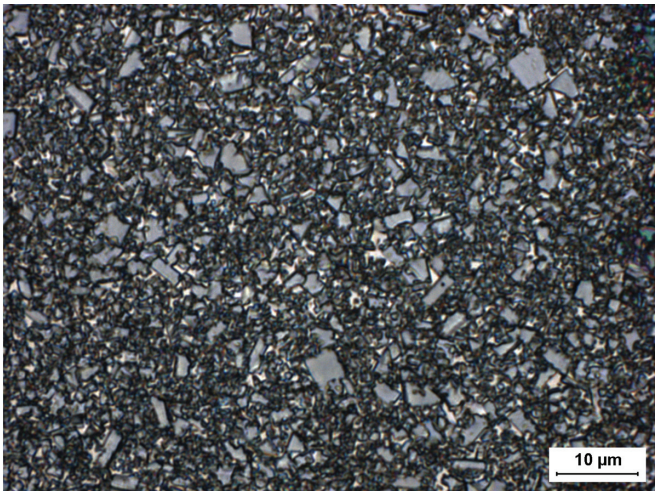
GENERALCARBIDE®
SHAPING YOUR SUCCESS

GRADE DATA SHEET

GC-310



Microstructure

Composition	
Tungsten Carbide (Medium)	90.0%
Cobalt	10.0%

Physical Properties	
Hardness, HRA (ASTM B294)	89.7 - 91.2
Density, g/cc (ASTM B311)	14.29 - 14.49
Average Transverse Rupture Strength, psi (ASTM B406)	510,000
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 a medium binder content provides a mechanically strong grade with moderate wear and impact resistance.

Typical Applications

> Wire Drawing Dies
> EDM Blanks
> Brick Mold Liners
> Rings
> Miscellaneous Wear Parts

Please visit our website for the latest grade specification information.

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