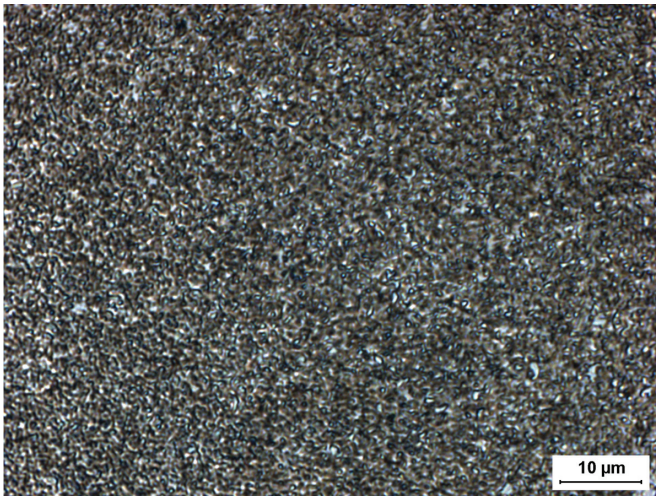
GENERALCARBIDE®
SHAPING YOUR SUCCESS

GRADE DATA SHEET

GC-012F



Microstructure

Composition	
Tungsten Carbide (Ultrafine)	88.0%
Cobalt	12.0%

Physical Properties	
Hardness, HRA (ASTM B294)	92.2 - 93.7
Density, g/cc (ASTM B311)	14.04 - 14.24
Average Transverse Rupture Strength, psi (ASTM B406)	475,000
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 ultrafine submicron carbide grain size coupled with the 12% binder content provides a hard and wear resistant grade with good strength.

Typical Applications

> Saw Blanks
> Fine Stamping
> Score Dies
> Cutters
> Miscellaneous Wear Parts

Please visit our website for the latest grade specification information.

GENERALCARBIDE®

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