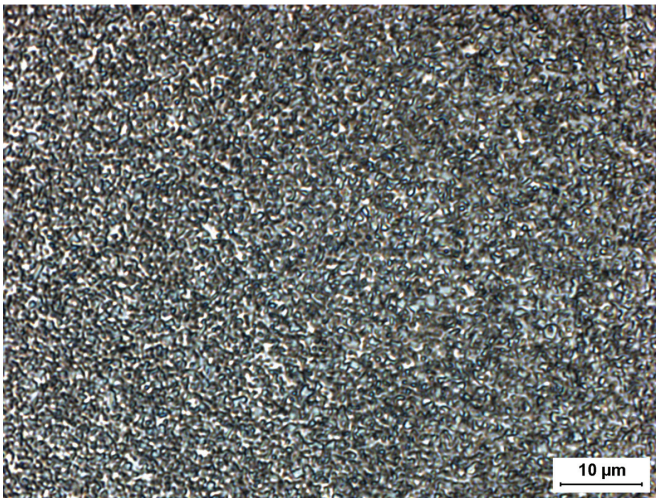
GENERALCARBIDE®
SHAPING YOUR SUCCESS

GRADE DATA SHEET

GC-010



Microstructure

Composition	
Tungsten Carbide (Submicron)	90 .0%
Cobalt	10.0%

Physical Properties	
Hardness, HRA (ASTM B294)	91.5 - 93.0
Density, g/cc (ASTM B311)	14.32 - 14.56
Average Transverse Rupture Strength, psi (ASTM B406)	520,000
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 submicron grain size of tungsten carbide particles coupled with the 10% binder content provides a hard and wear resistant grade with good strength.

Typical Application

> Saw Blanks
> Carbide Rotary Tool Blanks
> Diamond Press Anvils
> Cutters
> EDM Blanks
> Rings
> Concrete Forming Dies
> Miscellaneous Wear Parts

Please visit our website for the latest grade specification information.

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