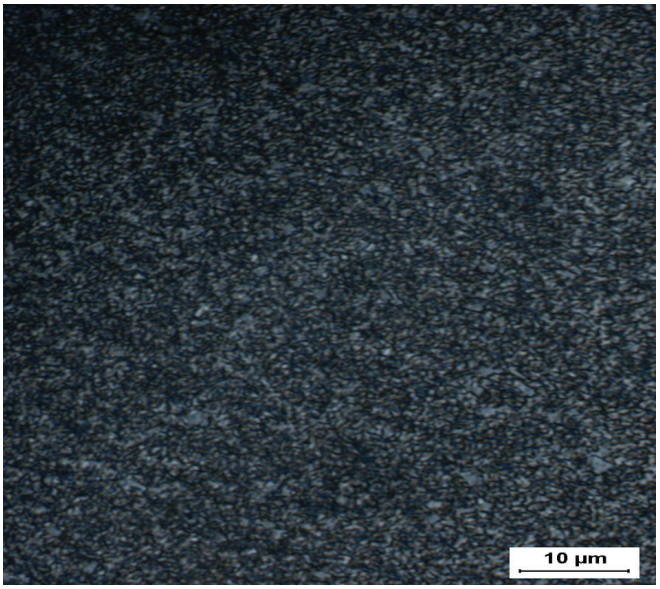
GENERALCARBIDE®
SHAPING YOUR SUCCESS

GRADE DATA SHEET

GC-015F



Microstructure

Composition	
Tungsten Carbide (Ultrafine)	85.0%
Cobalt	15.0%

Physical Properties	
Hardness, HRA (ASTM B294)	90.1 - 92.1
Density, g/cc (ASTM B311)	13.84 - 14.05
Average Transverse Rupture Strength, psi (ASTM B406)	560,000
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 particle size coupled with the medium binder content provides a high wear resistant grade with a moderate impact strength.

Typical Applications

> Blanking Dies and Punches
> EDM Blanks
> Rotary Tool Blanks
> Score Dies
> Rings

Please visit our website for the latest grade specification information.

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