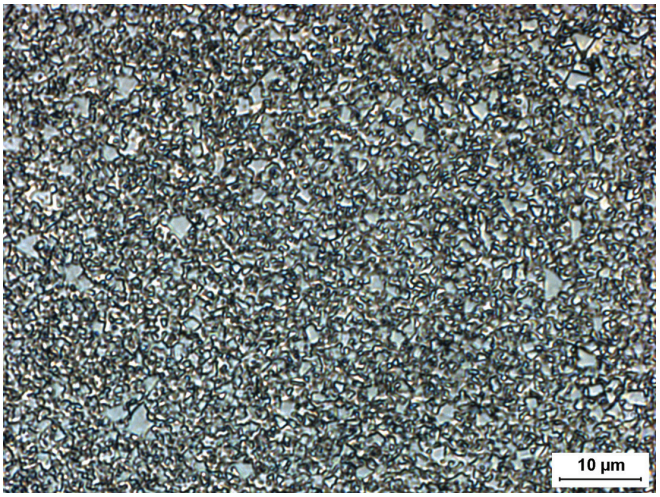
GENERALCARBIDE®
SHAPING YOUR SUCCESS

GRADE DATA SHEET

GC-N061



Microstructure

Composition	
Tungsten Carbide (Fine)	94.0%
Nickel	6.0%

Physical Properties	
Hardness, HRA (ASTM B294)	90.6 - 92.1
Density, g/cc (ASTM B311)	14.64 - 14.86
Average Transverse Rupture Strength, psi (ASTM B406)	400,000
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 fine tungsten carbide grains coupled with the low binder content creates a grade with high wear resistance and moderate anti-galling properties. The nickel-based binder ensures this grade can withstand corrosion at room and elevated temperatures.

Typical Applications

> Seal Rings
> Plungers
> Rings
> Bushings

Please visit our website for the latest grade specification information.

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