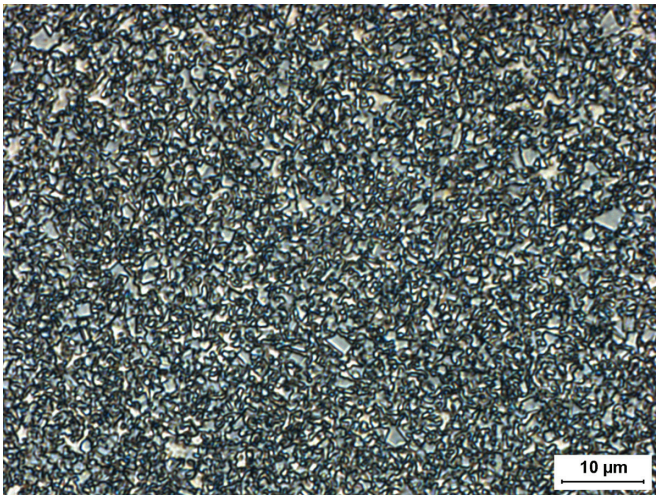
GENERALCARBIDE®
SHAPING YOUR SUCCESS

GRADE DATA SHEET

GC-N101



Microstructure

Composition	
Tungsten Carbide (Fine)	90.0%
Nickel	10.0%

Physical Properties	
Hardness, HRA (ASTM B294)	89.0 - 91.0
Density, g/cc (ASTM B311)	14.39 - 14.59
Average Transverse Rupture Strength, psi (ASTM B406)	425,000
Typical Porosity (ASTM B276)	A02-B00-C00

PERFORMANCE CHARACTERISTICS

	LESS ■ ■ ■ □ □ MORE
Wear Resistance	■ ■ ■ □ □
Impact Resistance	■ □ □ □ □
Galling Resistance	■ □ □ □ □
Corrosion Resistance	■ ■ ■ ■ ■

Grade Attributes

The fine tungsten carbide grains coupled with the medium binder content creates a grade with moderate wear resistance and impact loads. The nickel binder imparts a high degree of corrosion resistance.

Typical Applications

> Seal Rings & Bushings
> Components of Can Fabrication Tooling

To ensure the highest metallurgical quality, General Carbide processes all grades in sinter-HIP furnaces.

Please visit our website for the latest grade specification information.

GENERALCARBIDE®

1151 Garden Street
Greensburg, PA 15601-6417 USA

T 800.245.2465 • 724.836.3000
F 800.547.2659 • 724.836.6274

sales@generalcarbide.com
www.generalcarbide.com