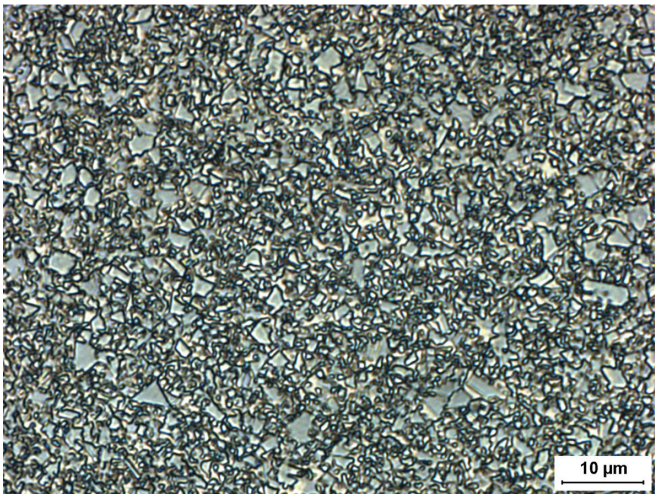
GENERALCARBIDE®
SHAPING YOUR SUCCESS

GRADE DATA SHEET

GC-211



Microstructure

Composition	
Tungsten Carbide (Fine)	89.0%
Cobalt	11.0%

Physical Properties	
Hardness, HRA (ASTM B294)	89.8 - 91.3
Density, g/cc (ASTM B311)	14.29 - 14.49
Average Transverse Rupture Strength, psi (ASTM B406)	530,000
Typical Porosity (ASTM B276)	A02-B00-C00

PERFORMANCE CHARACTERISTICS

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

Grade Attributes

The fine carbide particle size coupled with the medium binder content provides a strong and wear resistant grade capable of withstanding higher impact loads.

Typical Applications

> Wire Drawing Dies
> Powder Metal Dies
> Punches for Metalforming Applications & Bushing-Shape Inserts

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®

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