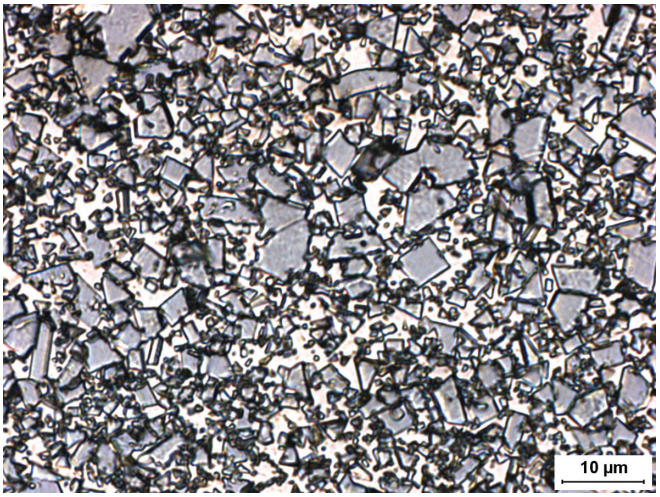
GENERALCARBIDE®
SHAPING YOUR SUCCESS

GRADE DATA SHEET

GC-915



Microstructure

Composition	
Tungsten Carbide (Extra Coarse)	85.0%
Cobalt	15.0%

Physical Properties	
Hardness, HRA (ASTM B294)	86.0 - 87.5
Density, g/cc (ASTM B311)	13.90 - 14.12
Average Transverse Rupture Strength, psi (ASTM B406)	440,000
Typical Porosity (ASTM B276)	A02-B00-C00

PERFORMANCE CHARACTERISTICS

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

Grade Attributes

The structure containing extra coarse tungsten carbide particles coupled with the medium binder content provides a good wear resistant grade capable of withstanding relatively significant impact loads.

Typical Applications

> Metal Forming Punches
> Dies
> Mandrels

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.

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