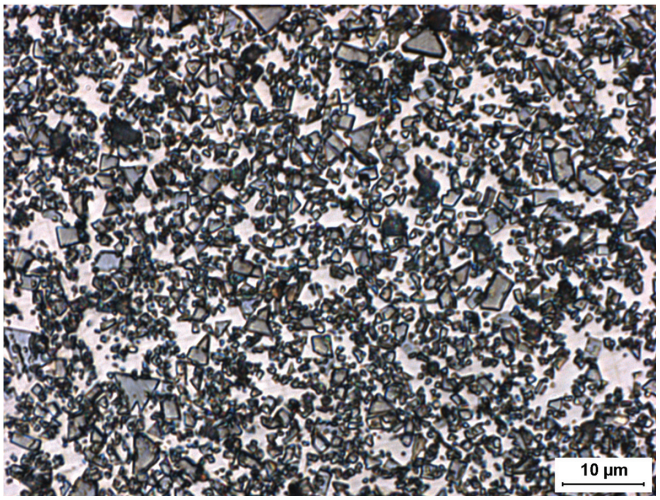
GENERALCARBIDE®
SHAPING YOUR SUCCESS

GRADE DATA SHEET

GC-325T



Microstructure

Composition	
Tungsten Carbide (Medium)	72.0%
Cobalt	25.0%
Tantalum Carbide	3.0%

Physical Properties	
Hardness, HRA (ASTM B294)	83.0 - 84.9
Density, g/cc (ASTM B311)	13.01 - 13.21
Average Transverse Rupture Strength, psi (ASTM B406)	430,000
Typical Porosity (ASTM B276)	A02-B00-C00

PERFORMANCE CHARACTERISTICS

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

Grade Attributes

The medium carbide particle grain size coupled with the higher binder content provides a grade that can withstand heavy impact. The tantalum carbide additive ensures the highest anti-galling properties.

Typical Applications

> Metalforming Dies
> Heading Die Inserts
> Mandrels
> Bushings

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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