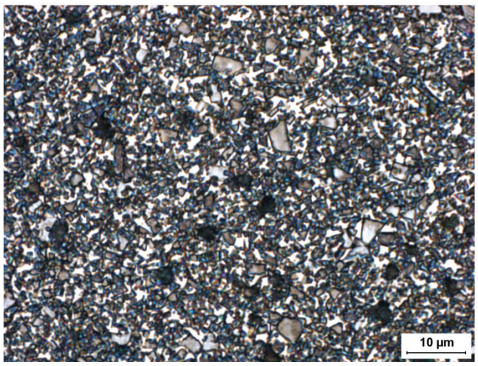
Steel Processing Slitter Knives



NOTE: *This micrograph of GC-315T shows medium particle size and uniform grain structure. The "T" designation in all General Carbide grades notes the addition of tantalum carbide, which increases lubricity and resistance to galling.*

Application Background

The medium particle size and uniform grain structure of **GC-315T**, coupled with its intermediate binder content, produce a wear-resistant grade that has moderate ability to withstand impact. Adding tantalum carbide to GC-315T improves this material's resistance to galling. GC-315T also stands above other grades because of its high fracture toughness value, which is essential to a slitter blade holding its edge.

This grade is also used in Wire and Ram EDM powder metal tooling applications that require a tough, crack-resistant grade.

Although GC-315T is our most popular grade, some applications for which GC-315T may appear to be ideally-suited are better-served by other grades. A General Carbide Wear Solutionist can help you determine the best grade for your specific application.

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

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