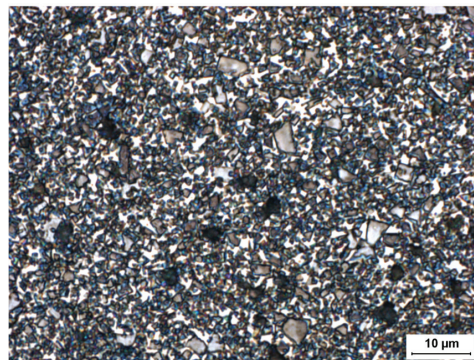


Steel Processing Slitter Knives



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.