

HB-2



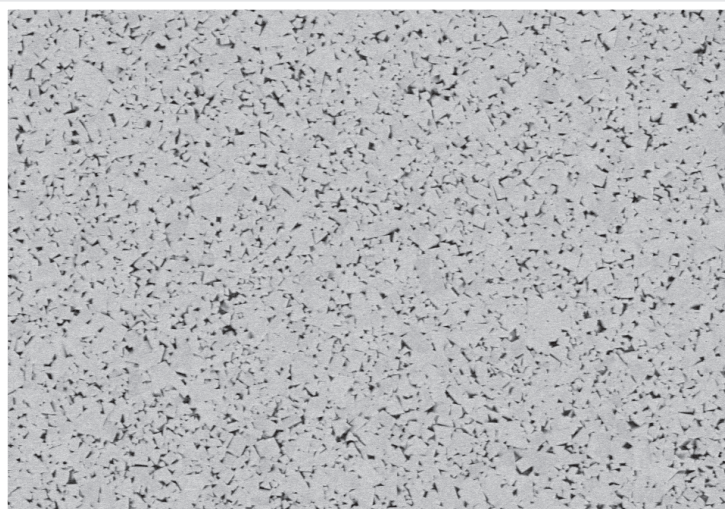
Cutting & Wear Resistance

Impact & Toughness



Grade HB-2 with its medium grain structure provides excellent wear properties and abrasion resistance for cutting tools including drills, endmills, and reamers used in finishing and semi-finishing, EDM blanks, seal rings, knives, and wear parts. The general purpose, medium grade is well suited for diamond coating and can also handle light impact when machining:

- Graphite
- Cast iron
- Non-ferrous metal alloys
- Nozzles and wear applications



Grade HB-2 submicron grain, 94/6 (carbide / cobalt %) offers wear and abrasion resistance.

Composition

Tungsten Carbide
Cobalt

WC 94%
Co 6%

Microstructure Grain Size (ASTM B-390)

1.5 μ m

Hardness Rockwell A (ASTM B-294)

92.20

Transverse Rupture Strength (ASTM B-406)

530,000 PSI

Density (ASTM B-311)

14.9

Manufactured in preforms, altered and standard blank designs