**Tungsten Carbide Cobalt Binder**

**General Information**
Tungsten Carbide materials have a unique combinations of properties, high compressive strength, hardness and resistance to wear, as well as an ability to withstand shock and impact. Typical applications are Valves, Flowmeters, Ball Screws and Linear Bearings. Balls from this material are also used for Ballizing, Gauging and Ball Pens.

**Composition**
- Tungsten Carbide: 93 - 95%
- Co: 5 - 7%

**Hardness**
- Hra: 90.5 - 91.5

**Mechanical Properties (Typical)**
- Density: 14.947 - 15.0% g/cm³
- Thermal Conductivity: 100 W/m/oC
- Electrical Resistivity: 20 μW/cm

**Size Range** - 0.6 mm (0.024") to 50.8 mm (2")

**Standard Grades Available**
- 5, 10, 25, 100