Specialists in Seals & Service

Hi-Tech Seals Inc.®

WolCar™ Carbide

To Meet Your Harshest Demands

WolCar™ carbide is Hi-Tech Seals' family of superior performing cemented tungsten carbide materials. Tungsten carbide compounds offer extreme toughness, hardness, and remarkable wear resistance. Finished WolCar™ carbide materials can be produced into virtually any shape and sizes, allowing us to provide customers with precision components for a wide range of industrial and commercial applications.

Our family of tungsten carbide, also known as cemented carbide, utilizes cobalt and nickel binder agents. Nickel bonded WolCar™ carbides offer high corrosion and wear resistance, without compromising strength, making them ideal for harsh application conditions. Cobalt bonded WolCar™ carbides possess increased impact resistance abilities over their nickel counterparts. Cobalt is the most widely used binder, since it helps achieve high strength and toughness. Cobalt bonded compounds maintain excellent strength at high temperatures and are highly abrasion resistant. *Other binder agents available upon request.*

WolCar™ carbide advantages:

- Superior strength and toughness
- Exceptional wear and abrasion resistance
- Outstanding high temperature performance
- Low coefficient of friction
- Excellent chemical resistance
- Highly resistant to deformation

WolCar™ can be used to create drill bit inserts, wear parts, precision components, inner sleeves, poppet inserts, bushings, and more. It is used in numerous critical applications across a variety of markets and industries, including:

- Oil & Gas
- Mining
- Agriculture
- Fluid Handling
- Automotive

A HI-TECH SEALS INC. BRAND
WolCar™ CARBIDE

WolCar™ Carbide is a great solution for your most demanding applications. With global clientele, Hi-Tech Seals has the experience to assist you in the selection of the proper carbide grade. For information on WolCar™ carbide materials, contact us at *engineering@hitechseals.com*.

The above information is correct based on our knowledge at the date of its publication. To ensure this material meets customers' final requirements and safety demands, we recommend customers conducts their own tests.