

### **General Description:**

Tungsten Carbide is typically considered when Chromium Carbide HVOF is not useful due to sulfide corrosion or when the customer desires a harder coating. Field experience and testing have indicated the Chromium Carbide and the Tungsten Carbide HVOF coatings to be very similar in wear resistance.

### **Application Method:**

High Velocity, Oxygen Fueled

### **Typical Chemistry:**

Tungsten Carbide	83%
Cobalt	17%

### **Typical Mechanical Properties:**

Hardness	950 HV average
Finished Thickness	0.003" to 0.008"
Porosity	2% maximum
Useful Temperature	up to 950°F (510°C)
Bond Strength	> 10,000 psi



### **Confidentiality Note:**

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