



Tungsten

Powders, Alloys and Customized Machined & Fabricated Products



Meets or Exceeds ASTM specifications
Economical and Competitive Alternative
Trusted 20Yr+ Supplier in the USA Market

Pure tungsten is a hard, lustrous and silvery white metal. It has the highest melting point among the refractory metals (which are a class of metals that are extraordinarily resistant to heat and wear, includes Tungsten, Tantalum, Molybdenum, Niobium, Hafnium, Chromium, Vanadium, Zirconium and Titanium etc.). Tungsten also has the lowest vapor pressure and the highest tensile strength of all the elements.

Tungsten is mainly used in the production of hard materials based on tungsten carbide, one of the hardest carbides. Carbide tooling is actually a ceramic/metal composite, where metallic cobalt acts as a binding (matrix) material to hold the WC particles in place. This type of industrial application accounts for about 60% of current tungsten consumption.



Machined & Fabricated Beryllium Products

Pure Tungsten Metal:

Shapes: rod, bar, plate, sheet, wire, crucible, boat, powder, etc.

Purity: ≥99.95%

Tungsten Composite:

Tungsten Copper Composite (W-Cu composite); Tungsten Silver Composite (W-Ag composite)

Tungsten Carbide (WC):

Cemented Tungsten Carbide: rod, strip, customized

Tungsten Carbide Powder: customized

Other tungsten carbide products: drill, cutter, tip, die, customized

Other Tungsten Products:

Poly tungsten (tungsten-filled polymer); tungsten trioxide (WO₃); tungsten heater; tungsten electrode; furnace system parts; tungsten collimator; tungsten syringe shield; radiation shielding parts

Tungsten Heavy Alloys

Product	Tungsten Nickel Iron Alloy (W-Ni-Fe Alloy)	Tungsten Nickel Copper Alloy (W-Ni-Cu Alloy)
Size	Customized	
Material	W-Ni-Fe	W-Ni-Fe
Standard	ASTM B777/ MIL-T-21014	
Purity	W 90-97%	
Density	17.0-18.5 g/cc	



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