



## Tungsten Powder

Appearance: Dark gray powder

Application: widely use for tungsten products, contact alloy, high density alloy, cemented carbide, alloying agent etc.

### Tungsten Powder

Code	W Content (%)	Specification	Applications
FW-1	≥99.95	Fsss1-5μm	Apply for tungsten bar, tungsten plate, high temperature screen etc.
FW-2	≥99.90		

### Three-seven Tungsten Powder

Code	W Content (%)	Specification	Applications
FWG-1	≥99.95	Fsss1-5μm	Apply for high density tungsten alloy and tungsten-copper electrical elements material
FWG-4			

### Contact Tungsten Powder

Code	W Content (%)	Specification	Applications
FW-2	≥99.90	Fsss5-8μm	Apply for tungsten-copper contact material.

### Crystal Tungsten Powder

Apperances: Silver grey metal luster.

Code	W Content (%)	tap density (g/cm <sup>3</sup> )	Specification	Applications
CTP	≥99.90	9.5~10.5	45~250μm ≤45μm	Apply for matrix material of diamond drill.

### Spray Tungsten Powder

Code	W Content (%)	Apparent density (g/cm <sup>3</sup> )	Specification	Apperances	Applications
FWP-1	≥99.90	5.0~8.5	45~75μm	Bright arey with good flowability.	Apply for thermal spraying material

Note: Above specification (model) and performance can be customer specified.



### Tungsten (alloy) products

Appearance: Grey or dark grey with metallic glazing on surface

Applications: Widely use for anti-shock lamp wire, energy saving lamp wire, common lamp wire and electrode material.

#### Tungsten Granule

Code	W (%)	Specification	Applications
WYL	≥99.95	180–850μm	Apply for melting agent for carbon and sulfur analysis.

#### Tungsten-Aluminum Bar (Rod)

Code	Size of blanks (mm)	Density (g/cm <sup>3</sup> )	Grain quantity (↑/mm <sup>2</sup> )	Applications
WAL-1	Ø15 × 300 Ø17 × 320	≥17.2	≥3000	Apply for anti-shock lamp wire, energy saving lamp wire and common lamp wire.
WAL-2		≥17.0		
WAL-3				

#### Tungsten-Cerium Bar (Rod)

Code	Size of blanks (mm)	Density (g/cm <sup>3</sup> )	Grain quantity (↑/mm <sup>2</sup> )	Applications
WCe10 WCe20	Ø15 × 300 Ø10 × 680	≥17.2	≥3000	Apply for electrode material for argon arc welding and plasma cutting.

#### Fine Grain Tungsten Bar (Rod)

Code	Size of blanks (mm)	Density (g/cm <sup>3</sup> )	Grain quantity (↑/mm <sup>2</sup> )	Applications
XW-2	12 × 12 × 300 Ø17 × 300	≥17.5	≥1500	Apply for heat processing tungsten wire.

#### Tungsten Electrode Bar

Code	Size of blanks (mm)	Density (g/cm <sup>3</sup> )	Applications
W-1	12 × 12 × (300–350) 14 × 14 × 350	≥17.5	Apply for electrode material.

**Processing Tungsten Bar**

Code	Size of blanks (mm)	Density (g/cm <sup>3</sup> )	Grain quantity (↑/ mm <sup>2</sup> )	Applications
W-2	12 × 12 × (300–350) 14 × 14 × 350	≥ 17.5	≥ 1000	Apply for electrode rod material.

**Tungsten Bar As Steel Alloy Agent(w-4)、Tungsten Crop End(wqt)**

Code	Size of blanks (mm)	W Content (%)	Applications
W-4	12 × 12 × 300	≥ 99.50	Apply for steel alloy agent.
WQT	/	≥ 99.00	

**High Density Tungsten Alloy**

Code	Size of blanks (mm)	Density (g/cm <sup>3</sup> )	HRC	(N/ mm <sup>2</sup> )	Applications
W242(95W)	∅11 × 162 ∅8.5 × 170	≥ 18.00	≥ 25	≥ 800	Apply for apparatus and instrument for medical, military and airspace industries.
W152(93W)	/	≥ 17.30	≥ 25	≥ 500	
W142(95W)		≥ 18.00	≥ 25	≥ 800	
W221(97W)		≥ 18.40	≥ 28	≥ 920	
GW90(90W)		≥ 17.00	≥ 20	/	

**Tungsten-copper Alloy**

Code	Density (g/cm <sup>3</sup> )	(Mpa)	(MN/ m <sup>2</sup> )	μ Ωm	Applications
WCu10	16.75	2550	810	6.5	Mainly apply for electric spark processing cemented carbide die, high speed steel, high or low voltage electric switch, contact electric processing material and electrical elements.
WCu20	15.15	2158	740	5.0	
WCu30	14.50	1720	667	4.1	
WCu40	12.75	1373	/	3.7	

**Tungsten Disc**

Code	Size of blanks (mm)	W Content (%)	Applications
WYP	∅ 80 × 22	≥ 99.95	High density and high purity, apply for X ray target material.

**Tungsten Plate Blank**

Code	Size of blanks (mm)	W Content (%)	Density (g/cm <sup>3</sup> )	Applications
WBP	17 × 59 × 25	≥ 99.95	≥ 17.2	Apply for high temperature isolation material

Note: Above specification (model) and performance can be customer specified.