



Advanced Material & Metal Compounds

□ Tungsten Wire

With diameters from 0.005 to 1.8mm, is extensively used in the lamp, electronic tube, photocopy, computer, vacuum metallizing, electric-furnace industries, and in the making of fiber reinforced materials.

◆ **Tungsten Wire (Black)/ White Tungsten Wire**

99.95% purity, is used as single or double spiral lamp wire, fluorescence lamp wire, energy-saving lamp wire, single-end halogen lamp wire and Hi-temp lamp wire. 500-1800um wire is used as twisted tungsten wire, tungsten heating element. White Tungsten Wire 99.95% purity, is used as replacing black tungsten wire, which is uniform in diameter, finished surface, stress release, improved winding and Hi-temp properties.



◆ **Tungsten Molybdenum Wire/ Aurum Coated Tungsten Wire**

Tungsten Molybdenum (WMo) alloy wire or Molybdenum Tungsten (MoW) alloy wire is for thermo-conductive wire, spark profile cutting wire and heating element and other components. Aurum Coated Tungsten wire with aurum coated is used for charge and transfer electrode wire of duplicator.

◆ **Tungsten Rhenium Wire**

W-Re alloy wire is used for filament of shock-proof lamp, heater and grid for specific receiving tube, thermo-conductive wire, thermocouple, high temperature radiator and sapphire crystal industry etc

No.	Item	Standard Specification				
1	Type	Size	mg/200mm	Tolerance	Length m	Pool Dia.mm
2	Tungsten Wire (Black & White)	5-12μm	0.075-0.44	±5.0%	≥1000	30, 40, 80
		12-18μm	0.44-0.98	±4.0%	≥2000	30, 40, 80
		18-40μm	0.98-4.85	±3.0%	≥1500	80
		40-80μm	4.85-19.39	±2.5%	≥700	80
		80-300μm	19.39-272.71	±2.0%	≥500	80 120
		300-350μm	272.71-371.19	±1.5%	≥500	120
		350-500μm	-	±2.0%	≥100	210
3	Aurum Coated	500-1800μm	-	±1.5%	≥200	350, 600
		60-100μm	W 99.92%min	±2.5%	20/40	-
4	Tungsten Molybdenum Alloy	0.03-0.8mm	MoW50 (50/50) MoW20 (80/20)		≥1000	-
		0.8-3.0 mm			600-1000	-
		3.0-11.0mm			300-1000	-
5	Tungsten Rhenium	3.0-7.0μm	1, 3, 5, 25% Re		Powder (-200+300mesh available)	
		12-1800μm			Wire	
6	Packing	In carton box or plywood case				

□ Tungsten Rod/Bar/Plate/Pipe/Sheet/Disc

Tungsten Rod, Bar, Plate, Pipe, Sheet and Disc are widely used in electronic, lighting vacuum plating, pharmacy, electrode, heater, shield, alloy additive etc., 99.5% 99.7% 99.95% available.



No.	Item	Standard Specification
1	Chemical	Tungsten 99.5%, 99.7%, 99.95%
2	Rod	D (2.8-11.0) × 400mm, D (0.8-10.0) × 200mm
	Bar	(10-14) × (10-14) × (300-500) mm
	Plate	(30-60) × (10-20) × (100-170), (0.1-100) × 250×L, >1.0×450×L
	Pipe	OD (3-20) × Wall (0.25-5.2) mm
	Sheet	(>0.1-0.9) × 450×L, Strip (0.1-0.4) × (0.2-0.8) × L
3	Packing	In plywood case or iron drum

✉ E2-1-1011 Global Center, No.1700
Tianfu Avenue North, Chengdu 610041, China
☎ Tel+28 8518 7251/7252/7253
Fax+28 8518 4110