



0.18mm Cutting Machine Molybdenum Wire Black Molybdenum EDM Wire

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001
- Model Number: Molybdenum wire
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- Packaging Details: Spool package with Carton box, Coil package with polybag for ERNiCrMo-13
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month

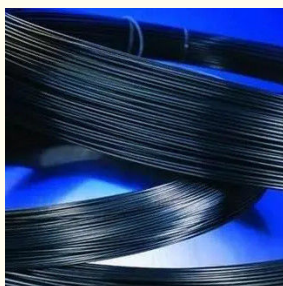


Product Specification

- Model Number: Mo1 MO2 MO3 MO4 MO5
- Surface: Polished/ Black
- Density: 10.2 G/cm³
- Melting Point: 2623°C
- Standard: GB/T 4182-2003 Or ASTM B387
- Certificate: ISO9001
- Chemical Composition: ≥ 99%
- Tensile Strength: ≥ 800 Mpa
- Application: EDM Wire Cutting
- Highlight: **ERNiCrMo-4 nickel chromium molybdenum, nickel chromium molybdenum Wire, AWS A5.14 nickel molybdenum**



More Images



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Product Description

Hot Selling Black Molybdenum Tzm Mo Wire

Molybdenum wire mainly refers to a consumable material made of precious metals such as molybdenum that moves continuously with a high-voltage electric field to cut workpieces during wire cutting. It is called an electrode), which can perform pulse spark discharge erosion on the workpiece and cut metal forming. Molybdenum wire has many other uses.

Molybdenum belongs to the group of refractory metals. Refractory metals are metals with a higher melting point than platinum (1772 °C). In refractory metals, the binding energy of individual metal atoms is particularly large. Refractory metals have a combination of high melting point, low vapor pressure, high modulus of elasticity and high thermal stability. In addition, refractory metals also exhibit the typical characteristics of low thermal expansion coefficient and high density. Thanks to its mechanical and chemical properties, molybdenum is an outstanding material capable of meeting demanding requirements. Its advantages of high melting point, low coefficient of thermal expansion and good thermal conductivity make it widely used in many different industrial fields.

Tensile strength	610Mpa
Rate of elongation	≥10%
The purity	≥99.95%
specifications	Customized
Temperature of service	1800°C~2200°C
Standard	ASTM B386-91,GB/T3876-83
Brand	MO1,TZM, MLA,361,364
Process	hot rolling, cold rolling, alkali washing, shear
We can process samples and drawings according to customer requirements.	
High temperature resistance	≥900°C
Heat transfer coefficient	>6W/(m2k)

Atomic number *1	42
Density(Mg/m3)*2	10.2
Melting point(K)*2	2903±10
Boiling point(K)*2	5100
Electrical Resistance(10-8Ωm)*2	5.7
Specific heat(J/kgK)*2	251
Thermal conductivity(W/mK)*2	137
Coefficient of Linear Expansion(10-6/K)*2	5.2 6.51
Work function(eV)*2	4.2
Thermal neutron capture cross section area(barns/atom)*3	2.4±0.02

Properties of molybdenum

1. The melting point of molybdenum is 2623°C, which has excellent creep resistance and can withstand higher temperatures.

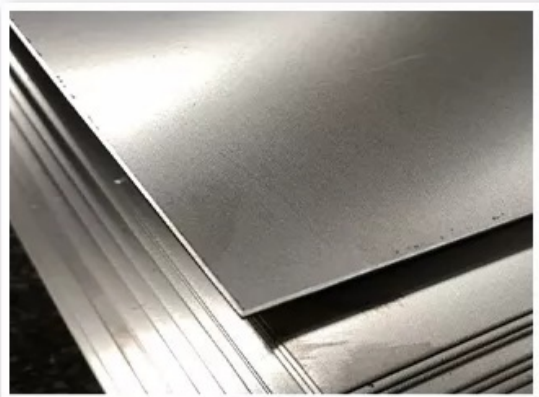
2. Low coefficient of thermal expansion and good thermal conductivity

- 1) High melting point
- 2) Very low vapor pressure (this is especially important for refractory and vacuum industry applications.)
- 3) High physical strength at high temperature (for structural parts in high temperature environment)
- 4) Creep resistance (high-temperature load structural parts. High dimensional stability. For example: forging dies for large aero-engine turbine blades.)
- 5) High modulus of elasticity
- 6) Very low coefficient of thermal expansion (very important for the application of metal-ceramic structure, metal-semiconductor structure, metal-graphite structure. For example, in the LED field, the future V-LED, which is regarded as a high-power LED, will use molybdenum or molybdenum copper material as base material)
- 7) Excellent electrical conductivity (metal properties)
- 8) Excellent thermal conductivity (metal properties)
- 9) Selective corrosion resistance



Application

1. Molybdenum wire is used in profile cutting, H2 furnace, heater rod guide rod hook, mandrel, wire, lead, etc.;
2. Silver is used in the manufacture of high temperature resistant equipment, such as brackets, guide rods, heating rods in furnaces, etc.;
3. Molybdenum wire is mainly used in high-temperature heat fields of aluminum furnaces and electronic tube sockets. Molybdenum wire is a thin silver rod, which is divided into white molybdenum wire, black molybdenum wire, sprayed molybdenum wire, and molybdenum wire for wire cutting. Molybdenum wire is often used as materials for heating high-temperature furnaces, heating screens for support materials, etc.

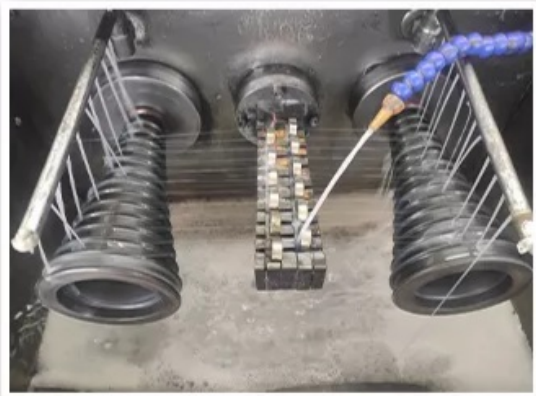




PRODUCTION EQUIPMENT

HIGH QUALITY PRODUCTION EQUIPMENT

We offer super alloy, welding wire, corrosion resistance alloy, precision alloy, FeCrAl alloy, NiCr alloy, CuNi alloy, in the form of wire, strip, ribbon, bar, tube, plate and etc.



Service

We are located in Changzhou city with convenient transportation access. Dedicated to strict quality control and thoughtful customer service, our experienced staff members are always available to discuss your requirements and ensure full customer satisfaction. In recent years, our company has introduced a series of advanced equipment including Vacuum melting furnace, Induction melting furnace, Pit annealing furnace, Hydrogen annealing furnace. Our products are exported to clients in many areas including European area such as Germany, Spain, Russian, Southeast Asia such as Indonesia, Vietnam.

We also welcome O E M and O D M orders. Whether selecting a current product from our catalog or seeking engineering assistance for your application, you can talk to our customer service center about your sourcing requirements. Good pre-sales and after-sales service are available, no matter u have problems about products or the use of products,we'll solve for u at the first time. All the process until delivery are in strictly controlled,through the timely information communication with the clients.

FAQ

1. who are we?

We are based in Jiangsu, China, start from 2016, sell to Southeast Asia(20.00%), Southern Europe(15.00%), Northern Europe(15.00%), South Asia(10.00%), North America(10.00%), Oceania(10.00%), Eastern Asia(10.00%), Eastern Europe(10.00%). There are total about 11-50 people in our office.

2. what services can we provide?

Accepted Delivery Terms: FOB, CFR, CIF, EXW, CIP, FCA, CPT, DDP, Express Delivery

Accepted Payment Currency: USD, EUR, JPY, HKD;

Accepted Payment Type: T/T, L/C, D/P D/A, Credit Card, PayPal, Western Union, Cash;

Language Spoken: English, Chinese, Japanese

3. What is your working time?

Monday-Saturday : 7:30AM-17:00PM (Beijing time, GMT+08.00)

We have public holiday during May.1-3, Oct.1-7 and Chinese New Year holiday . Pls email us during our holiday if u have any question.

4. Do you provide free samples?

Yes, we can provide a free sample for testing, buyer should bear all the shipping costs.

5. What is the lead time?

Usually sample lead time is 7 days after payment has been confirmed.



Changzhou Victory Technology Co., Ltd



+8619906119641



victory@dlx-alloy.com



victory-alloy.com

NO.32 West Taihu Road, Xinbei District, Changzhou, Jiangsu