

Dongyingte Metal Materials Co., Ltd.

东英特金属材料有限公司

质量第一，追求卓越，品质无忧，诚信第一。

Quality first, pursuit of excellence,
worry free quality, integrity first.

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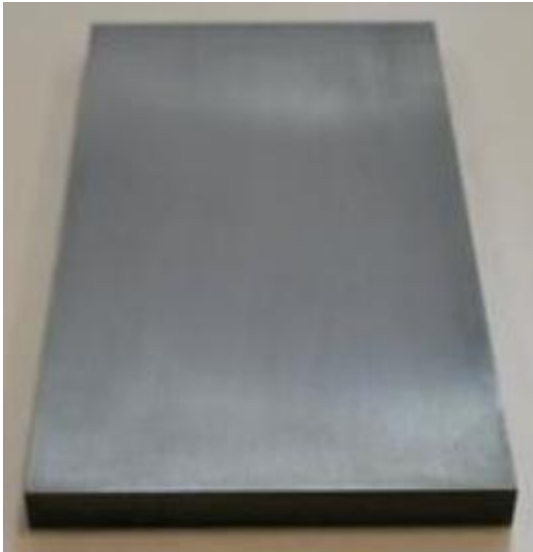
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企业简介/ Company profile.

- 东英特金属材料有限公司，主要从事钨，钼，钛，钽，铌，锆，镍等有色金属的原材料及生产精深加工。
- 产品广泛应用于半导体、电子、医疗、高温炉等行业和领域。
- 经营范围包括:半导体离子注入件、溅射靶材、钨钼电极、隔热屏加热炉用各种制品、钨钼材料的精加工制作，镍钛合金，钛合金、钽，铌，锆，钼，镍，钨，钛等各类尺寸的板材、棒材、丝材、管材等各种有色金属材料。
- 产品应用领域:航空航天、医疗应用、半导体、金属冶炼与石油化工、军工、新能源等行业。
- Company Introduction
- Dongyingte Metal Materials Co., Ltd. is mainly engaged in the production and deep processing of raw materials for non-ferrous metals such as tungsten, molybdenum, titanium, tantalum, niobium, zirconium, nickel, etc.
- Product is widely used in industries and fields such as semiconductors, electronics, healthcare, and high-temperature furnaces.
- Business scope includes: semiconductor ion implantation parts, sputtering targets, curium molybdenum electrodes, various products for insulation heating furnaces, precision processing and production of tungsten molybdenum materials, various sizes of plates, rods, wires, pipes and other non-ferrous metal materials such as nickel titanium alloys, titanium alloys, tantalum, niobium, zirconium, molybdenum, nickel, tungsten, titanium, etc.
- Product application areas: aerospace, medical applications, semiconductors, metal smelting and petrochemical, military industry, new energy and other industries.

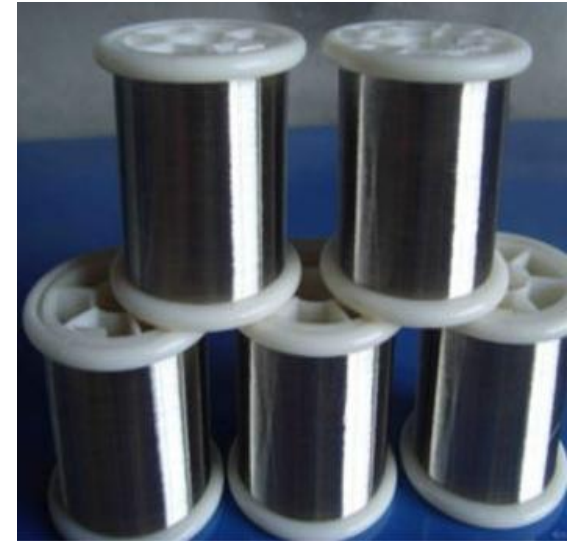
东英特产品介绍 / Dongyingte Product Introduction.



板材/Sheet metal



箔材/Foil material



丝材/Filamentous material.

东英特产品介绍 / Dongyingte Product Introduction.



管材/Pipe material .



棒材/Bar material.

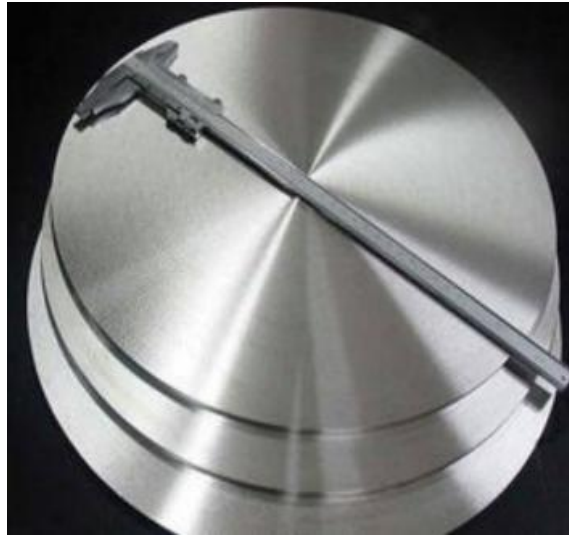


颗粒 / Particle shape..

东英特产品介绍 / Dongyingte Product Introduction.



异形钛管 / Alien titanium tube.



镍靶材 / Nickel target material.



钼坩埚 / Molybdenum
crucible.

东英特产品介绍 / Dongyingte Product Introduction.

- ***钨**

- 钨是一种难溶金属，钨的熔点是所有金属元素中最高的，熔点为3422C，密度(19.3g/cm³)与黄金接近具有良好的化学稳定性和耐高温性能，此外钨还具有高密度、高硬度、抗腐蚀等特点所以广泛应用于航空航天、冶金、电子工业、医疗生活等各个方面.



- ***Tungsten**

- Tungsten is a insoluble metal, and its melting point is the highest among all metallic elements 3422C, density (19.3g/cm³) close to gold, with good chemical stability In addition to its high temperature resistance, tungsten also has characteristics such as high density, high hardness, and corrosion resistance Widely used in various fields such as aerospace, metallurgy, Electronics industry, medical life, etc noodles.

东英特产品介绍 / Dongyingte Product Introduction.

- 镍钛记忆合金

- 镍钛合金的特殊性能

形状记忆特性（**shape memory**）形状记忆是当一定形状的母相由**Af**温度以上冷却到**Mf**温度以下形成马氏体后，将马氏体在**Mf**以下温度形变，经加热至**Af**温度以下，伴随逆相变，材料会自动恢复其在母相时的形状。实际上形状记忆效应是镍钛合金的一个由热诱发的相变过程。具有超弹性，抗腐蚀，抗毒性，柔和的矫治力，良好的减震特性。

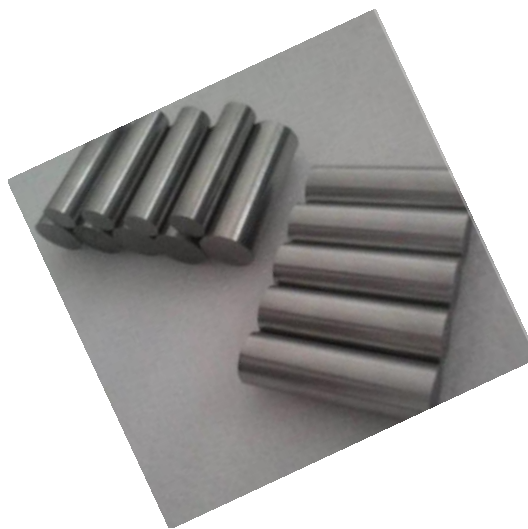


- Special properties of nickel titanium alloy

- Shape memory refers to the phenomenon where the parent phase of a certain shape is subjected to Af temperature. After cooling down to below the Mf temperature to form martensite, the martensite is deformed at a temperature below Mf and heated. Below the Af temperature, accompanied by a reverse phase transition, the material will automatically recover its shape in the parent phase. In fact, the shape memory effect is a thermally induced phase transition process in nickel titanium alloys. Has super elasticity, corrosion resistance, Anti toxicity, gentle corrective power, and excellent shock absorption properties.

东英特产品介绍 / Dongyingte Product Introduction.

- 钼管,
- 钼属于难溶金属，熔点为2620C，密度为10.2g/cm³.对人体无毒，耐腐蚀，易加工，并具有高熔点、高硬度、和良好的导电导热性，被广泛应用与航空航天、电子、化工、半导体等各个行业。可定制 钼棒、钼杆、钼搅拌棒钼螺杆钼丝杆钼电极杆。



- **Molybdenum**
- Molybdenum is a insoluble metal with a melting point of 2620C and a density of 10.2g/cm³. It is harmful to humans It is non-toxic, corrosion-resistant, easy to process, and has high melting point, high hardness, and good conductivity Electrical thermal conductivity is widely used in various fields such as aerospace, electronics, chemical, semiconductor, etc Industry. Customization of molybdenum rods, molybdenum rods, molybdenum stirring rods, molybdenum screws, olybdenum wire rods, and molybdenum electrode rods is available.

东英特产品介绍 / Dongyingte Product Introduction.

- 钼镧合金

钼镧合金(MoLa)又称高温钼，是通过掺杂稀土镧元素从而提高钼的高温性能及其他性能的钼合金。为提高作为高温材料使用的纯钼的高温性能和工作寿命，钼掺杂镧等稀土后可使材料的再结晶温度从钼的1000~1100C提高到1500~1600C，其20C的拉伸强度可达1400Mpa，在使用过程中体现为材料的抗蠕变性能大为增加，从而大大扩大了钼材在高温下的使用范围和使用寿命，除了有较纯钼更好的高温性能外，还具有更好的电子发射性能，从而在电子信息产业中获得应用。



- Molybdenum lanthanum alloy

Molybdenum lanthanum alloy (MoLa), also known as high-temperature molybdenum, is achieved by doping rare earth lanthanum elements Molybdenum alloys that enhance the high-temperature performance and other properties of molybdenum. To improve the high-temperature performance and service life of pure molybdenum used as a high-temperature material, molybdenum Doping with rare earths such as lanthanum can increase the recrystallization temperature of the material from 1000 to 1100C of molybdenum As high as 1500-1600C, its tensile strength at 20C can reach 1400Mpa, which is suitable for use The process is reflected in a significant increase in the creep resistance of the material, thereby greatly expanding the molybdenum material The range of use and service life at high temperatures, in addition to having better high-temperature performance than pure molybdenum In addition, it also has better electronic emission performance, thus gaining application in the electronic information industry Use.

东英特产品介绍 / Dongyingte Product Introduction.

●钼锆钛合金(TZM)

通常被简称为TZM，是以钛和锆等为合金元素的钼基合金。当温度超过1300°C时，TZM的强度是纯钼的两倍。TZM的再结晶温度比钼高约250°C，且有更好的焊接性能。TZM合金具有熔点高、强度大、弹性模量好、线膨胀系数小、蒸汽压低、导电导热性能好、抗蚀性能强、高温力学性能良好的特点，因此在很多领域得到广泛应用。



●Molybdenum Zirconium Titanium Alloy (TZM)

Commonly referred to as TZM, it is a molybdenum based alloy with titanium and zirconium as alloying elements. When the temperature exceeds 1300 ° C, the strength of TZM is twice that of pure molybdenum. Further development of TZM The final product temperature is about 250°C higher than molybdenum, and it has better welding performance. TZM alloy has high melting point, high strength, good elastic modulus, and linear expansion coefficient Small, low steam pressure, good conductivity and thermal conductivity, strong corrosion resistance, and good high-temperature mechanical properties Due to its good characteristics, it has been widely applied in many fields.

东英特产品介绍 / Dongyingte Product Introduction.

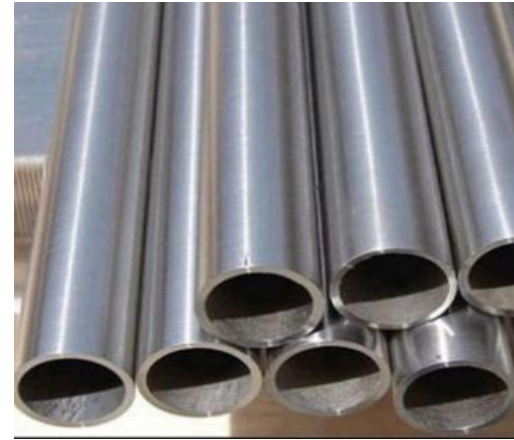
- 钼是一种金属元素，具有高强度、高硬度、高熔点、耐研磨、耐腐蚀、良好的导电导热性能等多种优点。钼的原子序数为42，相对原子质量为95.95，密度为10.28g/cm³，熔点为2622℃，沸点为4825℃。钼具有优异的机械性能，即使在高温下仍能保持高强度和高硬度，因此被广泛应用于特种合金、电极和催化剂等领域。有管材，板材，棒材，丝状材。等不同要求的材料。



- Molybdenum is a metallic element with high strength, hardness, melting point, abrasion resistance, and corrosion resistance. Good electrical and thermal conductivity, among other advantages. Molybdenum has an atomic number of 42 and a relative atomic mass of 95.95, with a density of 10.28g/cm³, a melting point of 2622 °C, and a boiling point of 4825 °C. Molybdenum has excellent mechanical performance, able to maintain high strength and hardness even at high temperatures, therefore widely used. Applied in fields such as special alloys, electrodes, and catalysts. There are pipes, plates, rods, and filaments. Waiting for materials with different requirements.

东英特产品介绍 / Dongyingte Product Introduction.

- 钼管。
- 纯度为99%，外径6-30mm,壁厚1-10mm，产品被多使用在耐高温管道，热电偶保护管等,可订制钼管 钼卷管钼接钼管烧结钼管钼炉管钨管 钨焊接管等



- **Molybdenum plate**
- The purity is 99%, with an outer diameter of 6-30mm and a wall thickness of 1-10mm. The product is commonly used in high-temperature resistant pipelines, Thermocouple protection tubes, etc. can be customized with molybdenum tubes, molybdenum coils, riveted molybdenum tubes, sintered molybdenum tubes, molybdenum furnace tubes, tungsten tubes, tungsten welding tubes, etc

东英特产品介绍 / Dongyingte Product Introduction.

- 钛

钛的密度是 4.51g/cm^3 ，为钢的 57%，钛比铝重不到两倍，强度比铝大三倍。钛合金的比强度（强度/密度之比值）是常用工业合金中最大的（见表 2-1），钛合金的比强度是不锈钢的3.5倍；铝合金的1.3倍；镁合金的1.7倍，所以是宇航工业必不可少的结构材料。钛的耐热性能好，它用于航空发动机压气机的盘和叶片以及飞机后机身的蒙皮。有钛管钛棒钛板等材料。



- Titanium

Density of titanium is 4.51g/cm^3 , which is 57% of steel. Titanium is less than twice as heavy as aluminum and three times stronger than aluminum. The specific strength (strength/density ratio) of titanium alloy is the highest among commonly used industrial alloys (see Table 2-1). The specific strength of titanium alloy is 3.5 times that of stainless steel; 1.3 times that of aluminum alloy; 1.7 times that of magnesium alloy, so it is an essential structural material for the aerospace industry. Titanium has good heat resistance and is used for compressed air in aircraft engines. The disks and blades of the aircraft, as well as the skin of the aircraft's rear fuselage. There are materials such as titanium tubes, titanium rods, titanium plates, etc.

东英特产品介绍 / Dongyingte Product Introduction.

- 主营执行标准：GB/T3621、ASTM B265、GB/T13810、ASTM F136、F67等。
- Main operating standards: GB/T3621 ASTM B265、GB/T13810、ASTM F136、F67, etc.
- 欢迎咨询。为了准确回答您的询问，请具体说明您需要的标准和要求。非常感谢！
- Welcome to consult. To accurately answer your inquiry, please specify the standards and requirements you require. Thank you !

东英特 / Dongyingte .

- 宝鸡市东英特金属材料有限公司是一家以钛及稀有金属深加工为主体的企业,公司技术人员均具有多年的稀有金属行业从业经验。我公司采用先进的生产设备和检验设备,以及成熟的生产工艺。产品主要有钛及稀有金属材料及深加工制品,镍·钨·钼·钽·铌·锆·等金属材料,棒·片·管·条·丝·环·杯·原片·坩·坩·及异形制品等。我公司产品广泛应用于钢铁·冶金·石油·化工·玻璃·机械·稀土·航天·磁性材料·真空镀膜·国防研究等行业。公司依托宝钛集团实验室对每一个产品及材料成份,性能,进行严格的检测,在产品加工中,还要进行成份化验,强度试验,光谱分析,超声波探伤。确保产品从生产制造·工序检测·成品检验·售后服务都有一套完整的质量保证体系,严格保证出厂产品的质量!
- Baoji Dongyingte Metal Materials Co., Ltd. is an enterprise mainly engaged in deep processing of titanium and rare metals. The company's technical personnel have many years of experience in the rare metal industry. Our company adopts advanced production and inspection equipment, as well as mature production processes. The products mainly include titanium and rare metal materials and deep processed products, metal materials such as titanium nickel tungsten molybdenum niobium zirconium, rods, sheets, tubes, strips, wires, rings, cups, wafers, crucibles, and shaped products. Our company's products are widely used in industries such as steel, metallurgy, petroleum, chemical, glass, machinery, rare earth, aerospace, magnetic materials, vacuum coating, and national defense research. The company relies on Baotai Group's laboratory to conduct strict testing on the composition and performance of each product and material. In product processing, composition analysis, intensity testing, spectral analysis, and ultrasonic testing are also carried out. Ensure that the product has a complete quality assurance system from production manufacturing, process testing, finished product inspection, to after-sales service, strictly guaranteeing the quality of the products leaving the factory! We will serve major enterprises with the principle of quality first, reputation first
- **用心服务，铸造品牌，精益求精，持续改善，客户至上，服务至上。**
- **Attentive service, brand building, continuous improvement, customer first, service first.**