



Tungsten
Molybdenum

TeknoSteel srl

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La tua filiera
inizia da qui.



TeknoSteel is a leading company in the production and marketing of **raw materials**, offering its partners a **pre and post-sales** assistance and providing technical advice based on years of **experience** in the metalworking industry.

Professionalism, passion and timeliness are the values on which the company is based, being able to provide some of **the most prestigious noble materials**: tungsten, molybdenum, tzm, tungsten copper.



TUNGSTEN



Tungsten (also called wolframio) is probably the most known transition metal for its **rheological properties**. Our company carries out the trade of tungsten in Italy and abroad mainly for companies that deal in electrical applications and more generally across the industry. As a matter of fact, bulbs filaments are made of tungsten, being tungsten the metal with the highest melting point. As for the other non-ferrous metals tungsten is also important for its use in various types of alloys, as well as to increase the hardness of steel.

Tungsten Applications:

- Tungsten is used in the processing of other metals, mining, oil and construction.
- In heavy alloys for armaments.
- In high-speed steels.
- Chemical compounds of tungsten are used in catalysts and high temperature lubricants.
- It is used in the watertight joints.
- It is also used as a contact material within plasma nuclear fusion plants.

Product	Appearance	Density	Purity	Thickness	Specifications	Applications
Tungsten Rod	Metallic Silver Cluster	≥ 19.2 g/cm³	≥ 99.95 %	-	Diam. 0.5/100 mm	Electrodes, oven inner...
Tungsten Plates	Metallic Silver Cluster	≥ 19.2 g/cm³	≥ 99.95 %	0.1/2.0 mm	As the customer's request	Electrodes, oven inner...
Tungsten Sheet	Metallic Silver Cluster	≥ 19.2 g/cm³	≥ 99.95 %	2.0/4.0 mm	As the customer's request	Tungsten Alloys, sheet, plates...
Tungsten Target	Metallic Silver Cluster	≥ 19.2 g/cm³	≥ 99.95 %	max 700 mm	As the customer's request	Electrodes and elements.
Tungsten Boat	Metallic Silver Cluster	≥ 19.2 g/cm³	≥ 99.95 %	-	As the customer's request	Glass melting supports
Tungsten Crucible	Metallic Silver Cluster	≥ 19.2 g/cm³	≥ 99.95 %	-	As the customer's request	To support prime rare materials
WCu Alloy	Metallic Silver Cluster	da ≥ 16.75 a ≥ 13.8 g/cm³	≥ 99.95 %	-	CuW90 - CuW85 CuW80 - CuW75 CuW70	Electric energy, Aviation...
Tungsten Rope	Coated Wire	≥ 19.2 g/cm³	≥ 99.95 %	Stand No. Φ 1.8mm - Φ 3.0mm	Nucleis or other: 19x7	Electric energy, elements...
Tungsten Alloy Fishing	Metallic Silver Cluster	da ≥ 17 a ≥ 18.5 g/cm³	-	-	As the customer's request	Fishing Lures
High Density Tungsten Alloys	Metallic Silver Cluster	da ≥ 17 a ≥ 18.5 g/cm³	≥ 99.95 %	-	As the customer's request	Radioactive Setton...
Tungsten Elcetrodes	Metallic Silver Cluster	≥ 13.8-14 g/cm³	≥ 99.95 %	-	As the customer's request	Electrodes
Tungsten Parts	Metallic Silver Cluster	≥ 19.2 g/cm³	≥ 99.95 %	As the customer's request	As the customer's request	Components...

MOLYBDENUM



Among the non-ferrous metals sold by Teknosteel Srl we sell molybdenum, which in pure form is silvery white. It is a **transition metal and very hard**, as well as tantalum, and among the other elements is characterized by one of the **highest melting points**. In small quantities it has a hardening effect on steel. The largest percentage of molybdenum is used in **high hardness metal alloys** and steels resistant at high temperatures.

Other Applications of Molybdenum:

- In the petrochemical industry is used as catalyst for the removal of sulfur from petroleum.
- The pigments of molybdenum are used in paints.
- The use of molybdenum is finally in the production of aircraft parts, filaments and dentures.

Product	Standard	Density	Purity	Realization	Elements	Applications
Molybdenum Rod	GB/T 4188-84	≥ 10.2 g/cm³	≥ 99.95 %	As the customer's request	Pb - Bi - Sn - Sb - Cd Fe - Ni - Al - Si - Ca Mg - P - C - O - N	Electrodes, oven inner...
Molybdenum Plates	GB/T 3462-2007	≥ 10.2 g/cm³	≥ 99.95 %	As the customer's request	Mo-1/99.99 Mo-2/99.98 Mo-3e4/99.95	Raw Materials, alloy additive...
Molybdenum Sheet	GB 3876-83	≥ 10.2 g/cm³	≥ 99.95 %	As the customer's request	Mo1/JMo1 Mo2 Mo Ti0.5	Compenent Production...
Molybdenum Wire	GB/T 4812-2003	≥ 10.2 g/cm³	≥ 99.95 %	As the customer's request	Mo - O - N - C Si - Fe	Electrodes, filaments...
Rotary Target	-	≥ 10.2 g/cm³	≥ 99.95 %	As the customer's request	W - Si - O - Ni - Na N - K - Fe - Cu Cr - C	Inner at high temperatures
Molybdenum Target	-	≥ 10.2 g/cm³	≥ 99.95 %	As the customer's request	W - Si - O - Ni - Na N - K - Fe - Cu Cr - C	Electrodes and components
Molybdenum Seed Chuck	-	≥ 10.2 g/cm³	≥ 99.95 %	As the customer's request	W - Si - O - Ni - Na N - K - Fe - Cu Cr - C	Steel tubes, piercing...
Molybdenum Crucible	-	≥ 10.2 g/cm³	≥ 99.95 %	As the customer's request	Mo - O - N C - Si	Metallurgy, equipments...
Molybdenum Counter Weight	-	≥ 10.2 g/cm³	≥ 99.95 %	As the customer's request	W - Si - O - Ni - Na N - K - Fe - Cu Cr - C	Yacht, radioactive sector...
Molybdenum Fabricated Part	-	≥ 10.2 g/cm³	≥ 99.95 %	As the customer's request	-	Inner at high temperatures...
TZM Molybdenum Alloy	-	≥ 10.2 g/cm³	≥ 99.95 %	As the customer's request	Titanium Molybdenum Zirconium	High Temperatures
Molybdenum Parts	-	≥ 10.2 g/cm³	≥ 99.95 %	As the customer's request	W - Si - O - Ni - Na N - K - Fe - Cu Cr - C	Components...