

MOLYBDENUM CATALOG

Molybdenum & Molybdenum alloys

Molybdenum plate sheet Molybdenum foil strip
Molybdenum rod bar Molybdenum wire
Molybdenum tube pipe Molybdenum disc ring
Molybdenum crucible boat Molybdenum nut bolt
Molybdenum sputtering target

Pure Mo (99.95%, 99.995%)

Mo-Cu (Mo-30%Cu, Mo-40%Cu, Mo-50%Cu)

Mo-W (Mo-30%W, Mo-35%W)

Mo-La (Molybdenum-Lanthanum oxide, Mo-0.7%La₂O₃)

TZM alloy (High Temperature Alloy, Mo-Ti_{0.5}-Zr_{0.08}-Co_{0.02})

TZC alloy (Mo-Ti_{1.2}-Zr_{0.3}-Co_{0.1})

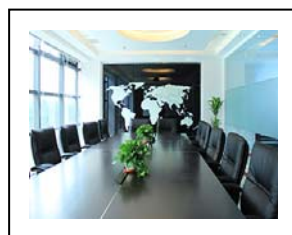
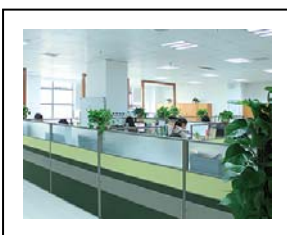
Mo-Re (Mo-5%Re, Mo-41%Re, Mo-50%Re)

Company Contacts

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Molybdenum (Mo)

The essentials:

- Symbol: Mo
- Atomic number: 42
- Atomic weight: 95.94
- Boiling Point: 5560.00°C (10040.0F)
- Melting Point: 2610.00°C (4730.0F)
- Density : 10.2g/cm³
- CAS Registry ID: 7439-98-7

Molybdenum is a silvery-white, hard, transition metal, which has the eighth-highest melting point of any element. Molybdenum burns only at temperatures above 600°C (1,112°F). It has the lowest heating expansion of any commercially used metal and it is widely used in alloys, electrodes and catalysts.

Diversified forms are available:

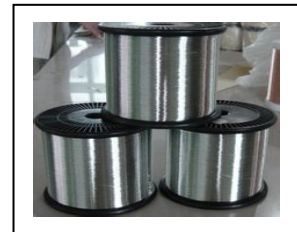
Molybdenum plate sheet



Molybdenum foil strip



Molybdenum rod bar



Molybdenum wire



Molybdenum tube pipe



Molybdenum disc ring



Molybdenum crucible



Molybdenum sputtering target

We can supply various Molybdenum and its alloy products with different standards, shapes, and compositions as the below:

Molybdenum plate sheet	Molybdenum foil strip
Molybdenum rod bar	Molybdenum wire
Molybdenum tube pipe	Molybdenum disc ring
Molybdenum crucible boat	Molybdenum nut bolt
Molybdenum sputtering target	

Featured Molybdenum alloys

1) Mo-Cu (Molybdenum-Copper alloy, Mo-30%Cu, Mo-40%Cu, Mo-50%Cu)

2) Mo-W (Molybdenum-Tungsten alloy, Mo-30%W, Mo-35%W)

3) Mo-La (Molybdenum-Lanthanum oxide, Mo-0.7%La₂O₃)

4) TZM alloy (High Temperature Alloy, Mo-Ti0.5-Zr0.08-C0.02)

TZM offers twice the strength of pure molybdenum at temperatures over 1300°C. The recrystallization temperature of TZM is approximately 250°C higher than molybdenum and it offers better weldability adequate ductility. The material is manufactured either by P/M or arc-cast processes. TZM is well suited to hot work applications because of its combination of high hot hardness, high thermal conductivity, and low thermal expansion to hot work steels.

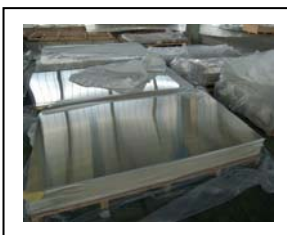
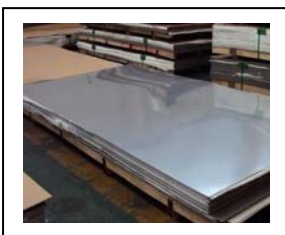
5) TZC alloy (Mo-Ti1.2-Zr0.3-C0.1)

6) Mo-Re (Mo-5%Re, Mo-41%Re, Mo-50%Re)

1. Molybdenum plate sheet

1) Standards: ASTM B386

2) Size available: (0.4mm~30mm) x (600mm~1200mm) x long 3500mm max



2. Molybdenum foil strip

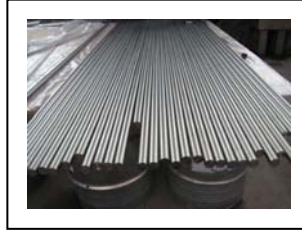
1) Standards: ASTM B386

2) Size available: (0.02mm~0.9mm) x (200mm~1000mm) x L in coil



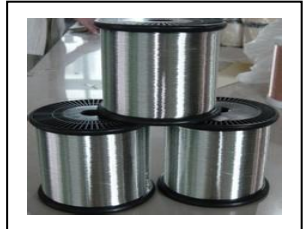
3. Molybdenum rod bar

- 1) Standards: ASTM B387
- 2) Size available: Outer Dia (2.5mm~400mm) x 6000mm Long max



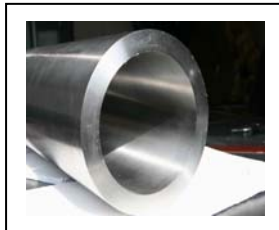
4. Molybdenum wire

- 1) Standards: ASTM B387
- 2) Size available: Outer diameter (0.1mm~6.0mm) x Length



5. Molybdenum tube pipe

- 1) Size available: OD (3.0mm~450mm) x Wall thick (0.2mm~30mm) x 6000mm long max



6. Molybdenum disc ring

- 1) Standards: ASTM B386, ASTM B387



7. Molybdenum crucibles & boats



8. Molybdenum nuts and bolts



9. Molybdenum sputtering target

1) Shape: round, rectangular, cylinder and others upon your request



For more details about the Molybdenum products, please check <http://www.rhexon.com>, or contact RHEXON at info@rhexon.com

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