



# 宝鸡难熔金属开发公司

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## MOLYBDENUM PRODUCTS

### ● MOLYBDENUM——Plate/Sheet/Foil

#### ✧ Products Properties:

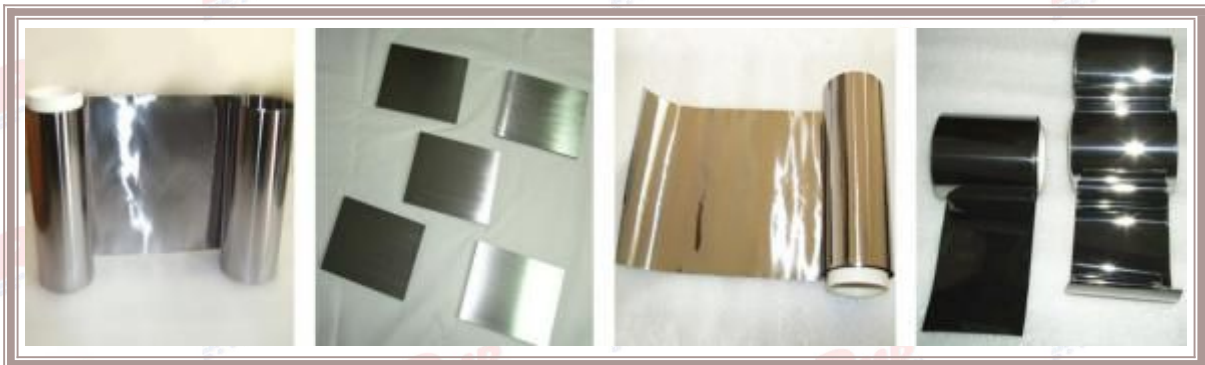
- High melting point—2610℃
- High-density —10.2 g/cm<sup>3</sup>
- Excellent resistance to electrochemical corrosion
- Good electrical conductivity
- High boiling Point—5560℃
- Uniform grain with densified microstructure
- Low coefficient of thermal expansion

#### ✧ Range of use:

- Heat tape
- Heat insulation screen
- High-temperature resisting boat
- Heating element in high-temperature furnace
- Reflective shield
- Vacuum coating equipment
- Cover of the sapphire growth furnace

#### ✧ Processing methods to produce:

- Hot rolling process
- Warm rolling process
- Cold rolling process



❖ **Chemical Composition:**

Brand	Mo	Impurities	Each Element Content	Adding elements
Mo1	≥99.95	≤0.05	≤0.01	—
RMo1	≥99.94	≤0.06	≤0.02	—
TZM	≥99.20	≤0.11	≤0.08	Ti 0.40~0.55 Zr 0.06~0.12 C 0.01~0.04
Mo3G	≥99.33	≤0.07	≤0.01	La 0.20~0.60

❖ **Specification:**

Thickness (mm)	Width (mm)	Length (mm)
0.01-0.02	50-120	200~500
>0.02-0.03	50-120	50~1000
>0.03-0.04	50-240	50~1000
>0.04-0.06	50-240	50~1000
>0.06-0.09	50-240	50~1000
>0.09-0.13	50-240	50~1000
>0.13-0.15	50-200	50~1000
>0.15-0.30	50-200	50~1000
>0.30-0.5	50-500	50~1000
>0.5-0.7	50-800	50~1000
>0.7-1.0	50-800	50~800
>1.0-2.0	50-800	50~800
>2.0-3.0	50-500	50~800
>3.0-4.0	50-500	50~800
>4.0-5.0	50-500	50~800
>5.0	50-500	50~800

Note: All the products can be supplied in according to customer's requirement.

✧ **Tolerance:**

Thickness (mm)	Thickness Tolerance (mm)		Width (mm)	Width Tolerance (mm)
	I	II		
0.01-0.02	±0.002	±0.004	50-120	±2
>0.02-0.03	±0.003	±0.005	50-120	±2
>0.03-0.04	±0.004	±0.006	50-240	±3
>0.04-0.06	±0.005	±0.007	50-240	±3
>0.06-0.09	±0.006	±0.008	50-240	±3
>0.09-0.13	±0.008	±0.01	50-240	±3
>0.13-0.15	±0.01	±0.02	50-200	±2
>0.15-0.30	±0.02	±0.03	50-200	±2
>0.30-0.5	±0.03	±0.04	50-500	±3
>0.5-0.7	±0.04	±0.05	50-800	±5
>0.7-1.0	±0.05	±0.08	50-800	±5
>1.0-2.0	±0.06	±0.10	50-800	±5
>2.0-3.0	±0.08	±0.15	50-500	±5
>3.0-4.0	±0.10	±0.20	50-500	±5
>4.0-5.0	±0.12	±0.30	50-500	±5
>5.0	±8%	±10%	50-500	±5

Note: Special demands on tolerance available.