

Heat resistant molybdenum products

Gammatec Engineering GmbH
Refractory Metals

Our temperature resistant metallic Mo/La alloy remains fine-grained, ductile, and keeps its shape even after long term application in high temperature furnaces. Grain boundaries are stabilised and grain growth at high temperatures is inhibited by lanthanum oxide La_2O_3 . This is why molybdenum doped with lanthanum oxide can be applied at temperatures up to 1500°C and above.

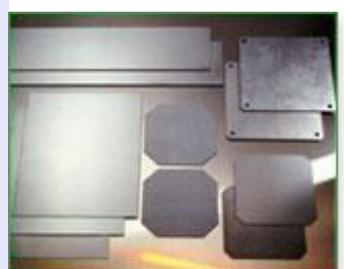
Mo is suitable for cutting, milling, bending, riveting.

Common products and shapes

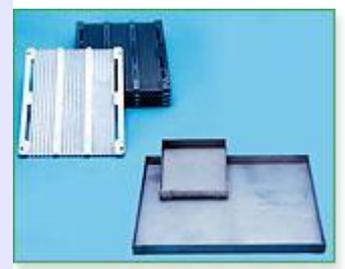
- Foil 0.015 to 0.1 mm thickness, max width 110 mm
- Foil 0.15 to 0.2 mm thickness, max width 200 mm
- Sheet 0.25 to 1.5 mm thickness, max width 500 mm
- Plates max width 500 mm
- Rods max length 2000 mm
- Square bars max length 1000 mm
- Tubes max length 1000 mm
- Mo wire on coil
- Heating wire and heating elements
- Crucibles for growing single crystals
- Sputtering targets
- Glass melting electrodes to customer specifications
- Boats, trays, setters riveted
- Screws, bolts, nuts, threaded rods
- Furnace components
- Turned, milled and bent parts

Special shapes and other molybdenum, tungsten, tantalum or niobium alloys upon request.

We guarantee expert advice, top quality, competitive prices, and timely deliveries.



Mo sheet and plates



Trays, boats



Furnace parts



Heating wire, rods



Turned and milled parts



Crucible



Bolts, nuts