NIOBIUM CATALOG

Niobium & Niobium alloys

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

Pure Nb (99.95%, 99.995%)
Nb-1Zr
Nb-10Zr
Nb-10Hf-1Ti (C-103)
Nb-10W-2.5Zr (Cb-752)

Company Contacts

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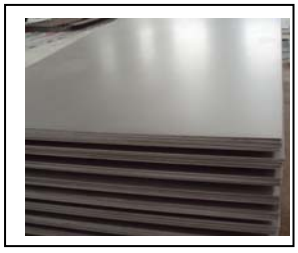
Niobium (Nb)

The essentials:

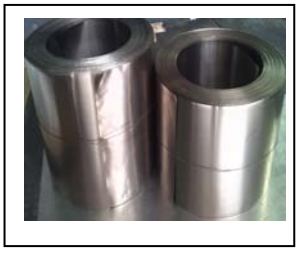
- Symbol: Nb
- Atomic number: 41
- Atomic weight: 92.91
- Boiling Point: 4742.00°C (8567.6F)
- Melting Point: 2468.00°C (4474.4F)
- Density : 8.57g/cm^3
- CAS Registry ID: 7440-03-1

Niobium is a shiny, white, soft, ductile and paramagnetic metal, which takes on a bluish tinge when exposed to air at room temperatures for extended periods. It has a low density in comparison to other refractory metals, and it is corrosion resistant, exhibits superconductivity properties, and forms dielectric oxide layers. These properties, especially the superconductivity, are strongly dependent on the purity of the niobium metal. When very pure, it is comparatively soft and ductile, but impurities make it harder.

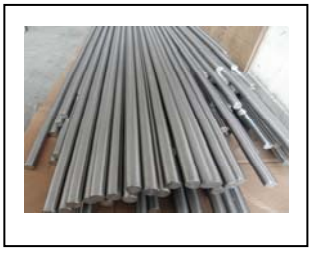
Diversified forms are available:



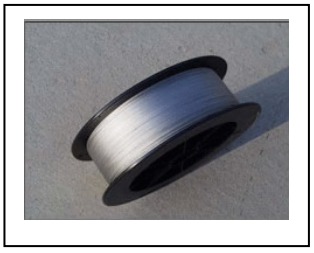
Niobium plate sheet



Niobium foil strip



Niobium rod bar

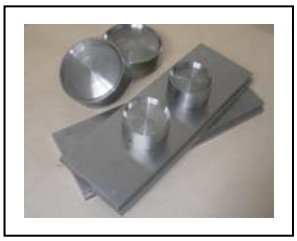


Niobium wire

Niobium tube pipe

Niobium disc ring

Niobium crucible



Niobium sputtering target

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

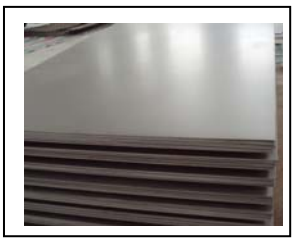
Niobium plate sheet	Niobium foil strip
Niobium rod bar	Niobium wire
Niobium tube pipe	Niobium disc ring
Niobium crucible	Niobium nut bolt
Niobium sputtering target	

Featured Niobium alloys

NbTi alloy
Nb-1Zr (Nb-1%Zr)
Nb-3Zr (Nb-3%Zr)
Nb-10Zr (Nb-10%Zr)
Nb-10Hf-1Ti (Nb-10%Hf-1%Ti, C-103)
Nb-10W-2.5Zr (Nb-10%W-2.5%Zr, Cb-752)
Nb-10W-1Zr-0.1C (Nb-10%W-1%Zr-0.1%C, D-43)

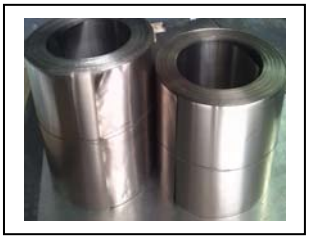
1. Niobium plate sheet

1) Standards: ASTM B393, RO4200, RO4210, RO4251, RO4261
2) Size available: (0.4mm~30mm) x (600mm~1200mm) x long 3500mm max



2. Niobium foil strip

1) Standards: ASTM B393, RO4200, RO4210, RO4251, RO4261
2) Size available: (0.02mm~0.9mm) x (200mm~1000mm) x L in coil



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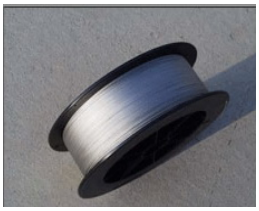
3. Niobium rod bar

1) Standards: ASTM B392, RO4200, RO4210, RO4251, RO4261
2) Size available: Outer Dia (2.5mm~400mm) x 6000mm Long max

4. Niobium wire

1) Standards: ASTM B392, RO4200, RO4210, RO4251, RO4261
2) Size available: Outer diameter (0.1mm~6.0mm) x Length



5. Niobium tube pipe

1) Standards: ASTM B394, RO4200, RO4210, RO4251, RO4261
2) Size available: OD (1.0mm~115mm) x Wall thick (0.2mm~10mm) x 15000mm long max

6. Niobium disc ring

1) Standards: ASTM B393, RO4200, RO4210, RO4251, RO4261

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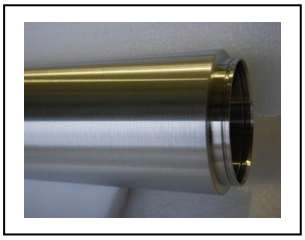
7. Niobium crucible

8. Niobium nut bolt

9. Niobium sputtering target

1) Standards: RO4200, RO4210, RO4251, RO4261
2) Shape: round, rectangular, cylinder and others upon your request



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

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