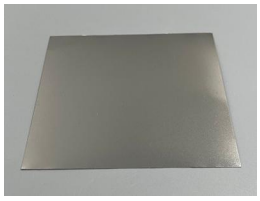
HALBLEITER MATERIAL

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Technical Data Sheet

Niobium Metal Foil

Product ID: **4100FI001 - 4100FI003**
Formula: Nb **Molecular weight:** 92.91 g/mol
CAS No.: 7440-03-1 **EINECS No.:** 231-113-5
Color: Gray
Description: Niobium foil offers excellent corrosion resistance, a high melting point, good ductility, and reliable performance in demanding applications.
Application: Electronic components, vacuum furnace applications, chemical equipment, etc.
Product Image:



1. Sizes

Product ID	Formula	Particle Size
4100FI001	Nb (99.95%)	100 mm x 100 mm x 0.1 mm
4100FI002	Nb (99.95%)	200 mm x 60 mm x 0.2 mm
4100FI003	Nb (99.95%)	100 mm x 0.1 mm x L (Roll)
4100FIDZ	Nb (99.95%)	Customized

2. Chemical compositions

	Chemical Compositions (ppm)								
Element / Typical Value / Purity	Ta	Fe	Ni	Si	Mo	Ti	Cu	W	Cr
99.95%	≤150	≤60	≤20	≤50	≤20	≤30	≤20	≤40	≤30

Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.

3. Packaging

Wrap with PVC boards, then place into vacuum-sealed bags or inert gas-filled bags.
The outer layer is packed in a PP box, which is then placed into a sturdy carton or wooden crate.
Custom packaging is also available.

4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

Handle with clean gloves and tools to prevent surface scratches, deformation, and contamination.

Store in a sealed package in a cool, dry environment, protecting it from moisture and surface damage.

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