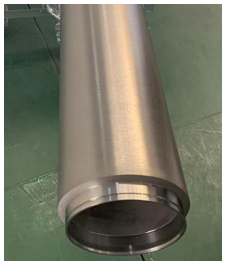
HALBLEITER MATERIAL

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Technical Data Sheet

Niobium Rotary Target

Product ID: 4100RT001
Formula: Nb
Molecular weight: 92.91 g/mol
CAS No.: 7440-03-1
EINECS No.: 231-113-5
Color: Gray
Description: Niobium rotary targets offer high purity, good thermal stability, and consistent material quality for large-area thin-film deposition.
Application: Architectural glass coatings, solar panels, and other large-area functional thin-film applications.
Product Image:



1. Physical Sizes

Product ID	Formula	Size
4100RT001	Nb (99.95%)	OD30 mm x ID28 mm x 411mm
4100RTDZ	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

Carton/wooden box outer bag.
Double vacuum inner bag.
Customized packaging available upon request.

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 suitable lifting equipment to prevent surface contamination and mechanical damage.

Store in sealed packaging in a cool, dry environment to protect them from moisture and contamination.

Contact Us

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