HALBLEITER MATERIAL

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Technical Data Sheet

Tantalum Foil

Product ID: 7300FI001 - 7300FI006

Formula: Ta **Molecular weight:** 180.95 g/mol

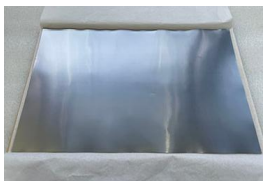
CAS No.: 7440-25-7 **EINECS No.:** 231-135-5

Color: Metallic-gray

Description: High-purity tantalum foil offers excellent corrosion resistance, a high melting point, and good ductility, ensuring reliable performance in demanding applications.

Application: Chemical processing, semiconductor and electronics manufacturing, vacuum equipment, heat-resistant components, etc.

Product Image:



1. Physical Sizes

Product ID	Formula	Size
7300FI001	Ta (99.95%)	200 mm x 0.05 mm x Length
7300FI002	Ta (99.99%)	200 mm x 0.05 mm x Length
7300FI003	Ta (99.999%)	200 mm x 0.05 mm x Length
7300FI004	Ta (99.95%)	600 mm x 0.1 mm x Length
7300FI005	Ta (99.99%)	600 mm x 0.1 mm x Length
7300FI006	Ta (99.999%)	600 mm x 0.1 mm x Length
7300FI3N5DZ	Ta (99.95%)	Customized
7300FI4NDZ	Ta (99.99%)	Customized
7300FI5NDZ	Ta (99.999%)	Customized

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2. Chemical compositions

	Metal impurities (ppm)							
Element / Typical Value / Purity	Nb	Fe	W	Mo	Cr	Cu	Ni	Zr
99.95%	≤ 120	≤ 30	≤ 50	≤ 30	≤ 20	≤ 30	≤ 30	≤ 10
99.99%	≤ 50	≤ 5	≤ 5	≤ 20	≤ 1	≤ 2	≤ 1	≤ 2
99.999%	≤ 10	≤ 0.1	≤ 3	≤ 1	≤ 1	≤ 0.5	≤ 0.1	≤ 0.5

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

Anti-static or moisture-proof bags in rolled or sheet form;

Protected with soft cushioning materials on the outside;

Packed in sturdy cartons or wooden cases.

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 tools and gloves, avoiding scratches, creasing, and excessive mechanical stress during processing and use.

Store in a clean, dry, sealed package, protected from moisture, dust, and other contaminants.

Contact Us

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