HALBLEITER MATERIAL

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Technical Data Sheet

Tantalum Rod

Product ID: **7300RD001 - 7300RD006**

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

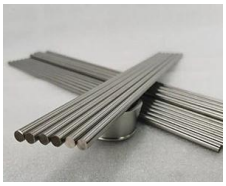
CAS No.: 7440-25-7 **EINECS No.:** 231-135-5

Color: Metallic-gray

Description: High-purity tantalum rods offer excellent corrosion resistance, a high melting point, and good mechanical stability.

Application: Chemical processing equipment, vacuum and high-temperature systems, electronics, semiconductor components, etc.

Product Image:



1. Physical Sizes

Product ID	Formula	Size
7300RD001	Ta (99.95%)	Ø 10 mm x Length
7300RD002	Ta (99.99%)	Ø 10 mm x Length
7300RD003	Ta (99.999%)	Ø 10 mm x Length
7300RD004	Ta (99.95%)	Ø 20 mm x Length
7300RD005	Ta (99.99%)	Ø 20 mm x Length
7300RD006	Ta (99.999%)	Ø 20 mm x Length
7300RD3N5DZ	Ta (99.95%)	Customized
7300RD4NDZ	Ta (99.99%)	Customized
7300RD5NDZ	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

Use scratch-resistant, soft materials (such as foam or EPE) for separation.

The outer layer is sealed in a moisture-proof or vacuum bag.

Then placed in a foam-filled carton or wooden box.

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, and avoid excessive mechanical impact or contamination during machining and use.

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

Contact Us

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