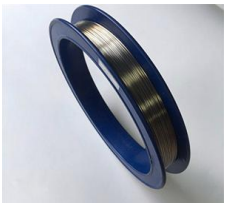
HALBLEITER MATERIAL

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Technical Data Sheet

Tantalum Wire

Product ID:	**7300WI001 - 7300WI006**		
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 wire available in 99.95%, 99.99%, and 99.999% purity, with Annealed (M) and Half-hard (Y2) conditions for reliable performance and flexible use in demanding industrial and electronic applications.		
Application:	Electronics, vacuum equipment, chemical processing, medical devices, and high-temperature applications.		
Product Image:			

1. Sizes

Product ID	Formula	Size	Temper
7300WI001	Ta (99.95%)	Ø (0.5~1.0) mm x Length	Half-hard (Y2)
7300WI002	Ta (99.95%)	Ø (1.0~10) mm x Length	Annealed (M)/Half-hard (Y2)
7300WI003	Ta (99.99%)	Ø (0.5~1.0) mm x Length	Half-hard (Y2)
7300WI004	Ta (99.99%)	Ø (1.0~10) mm x Length	Annealed (M)/Half-hard (Y2)
7300WI005	Ta (99.999%)	Ø (0.5~1.0) mm x Length	Half-hard (Y2)
7300WI006	Ta (99.999%)	Ø (1.0~10) mm x Length	Annealed (M)/Half-hard (Y2)
7300WI3N5DZ	Ta (99.95%)	Customized	Customized
7300WI4NDZ	Ta (99.99%)	Customized	Customized
7300WI5NDZ	Ta (99.999%)	Customized	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

Typically packaged in spools or coils, sealed in moisture-proof bags.

Placed in sturdy cartons.

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 tools and gloves, avoiding sharp bends or excessive mechanical stress according to the selected condition.

Store in a clean, dry, sealed package, protected from moisture, dust, and surface contamination.

Contact Us

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