

Technical Data Sheet

Tantalum Granules

Product ID: 7300GN001 - 7300GN006

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 granules offer excellent corrosion resistance, a high melting point, and stable performance, making them suitable for demanding thermal evaporation and thin-film deposition processes.

Application: Used as evaporation materials for semiconductor, electronics, optical coating, and other thin-film deposition applications.

**Product
Image:**



1. Sizes

Product ID	Formula	Size
7300GN001	Ta (99.95%)	1 mm - 10 mm
7300GN002	Ta (99.99%)	1 mm - 10 mm
7300GN003	Ta (99.999%)	1 mm - 10 mm
7300GN004	Ta (99.95%)	10 mm x 10 mm x 2 mm
7300GN005	Ta (99.99%)	10 mm x 10 mm x 2 mm
7300GN006	Ta (99.999%)	10 mm x 10 mm x 2 mm
7300GN3N5DZ	Ta (99.95%)	Customized
7300GN4NDZ	Ta (99.99%)	Customized
7300GN5NDZ	Ta (99.999%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)							
	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

Bottled/Bag.

Double vacuum packed.

Custom packaging is 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 to minimize contamination and use them under appropriate vacuum and thermal evaporation conditions.

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

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