

Technical Data Sheet

Tantalum Metal Powder

Product ID: 7300PD001 - 7300PD005

Formular: Ta

Molecular weight: 180.95 g/mol

CAS No.: 7440-25-7

EINECS No.: 231-135-5

Color: Dark gray

Description: Our tantalum powder generally has a purity of $\geq 99.9\%$, and can be customized with higher purity and different particle sizes according to customer needs. It possesses excellent stability and reliable corrosion resistance, making it the preferred material for manufacturing high-performance miniature capacitors.

Application: Consumer electronics, automotive electronics, aerospace, etc.

Product

Image:



1. Sizes

Product ID	Formular	Particle Size	Shape
7300PD001	Ta (99.9%)	-100 Mesh	Irregular
7300PD002	Ta (99.95%)	-200 Mesh	Irregular
7300PD003	Ta (99.99%)	-325 Mesh	Irregular
7300PD004	Ta (99.95%)	15-53 μm	Spherical
7300PD005	Ta (99.99%)	50-150 μm	Spherical
7300PD3NDZ	Ta (99.9%)	Customized	Irregular/Spherical
7300PD3N5DZ	Ta (99.95%)	Customized	Irregular/Spherical
7300PD4NDZ	Ta (99.99%)	Customized	Irregular/Spherical

2. Chemical compositions

Element Typical Value Purity	Chemical Compositions (ppm)									
	Nb	Al	W	Fe	Mo	Cu	Cr	Si	Ti	Ni
99.9%	≤50	≤20	≤30	≤50	≤20	≤10	≤50	≤100	≤10	≤50
99.95%	≤30	≤20	≤20	≤30	≤20	≤5	≤30	≤50	≤10	≤30
99.99%	≤10	≤5	≤5	≤15	≤5	≤2	≤15	≤20	≤5	≤15

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

Bottle/Bag.

Double vacuum packed.

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

When using, wear protective equipment to avoid inhalation of dust and operate in a well-ventilated area.

Stored in a cool, dry, oxygen-free environment, away from oxidizers and acids.

Contact Us

Website: www.vimaterial.de

Email: info@vimaterial.de

Tel: 0049 1626484175

Add: Begener Straße 14., 30625 Hannover, Niedersachsen, Germany.