

Technical Data Sheet

Tantalum Nitride Sputtering Target

Product ID: 730700ST001 - 730700ST005

Formular: TaN

Molecular weight: 194.95 g/mol

CAS No.: 12033-62-4

EINECS No.: 234-788-4

Color: Gray black

Description: Our tantalum nitride sputtering targets typically have a purity of ≥99.5%, with custom sizes available upon request. They offer excellent high-temperature resistance, corrosion resistance, and good electrical properties.

Application: Semiconductor devices, microelectronics, hard coatings, capacitors, sensors, and aerospace applications.

Product

Image:



1. Sizes

Product ID	Formular	Size
730700ST001	TaN (99.5%)	Ø 25.4mm x 6.35mm
730700ST002	TaN (99.5%)	Ø 50.8mm x 3.175mm
730700ST003	TaN (99.5%)	Ø 76.2mm x 3.175mm
730700ST004	TaN (99.5%)	Ø 101.6 mm x 6.35 mm
730700ST005	TaN (99.5%)	Ø 203.2 mm x 6.35 mm
730700STDZ	TaN (99.5%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)								
	Al	Cu	Fe	Mo	Nb	Ni	Ti	Mn	Si
99.5%	≤ 100	≤ 50	≤ 200	≤ 60	≤ 50	≤ 50	≤ 50	≤ 350	≤ 500

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

Carton/wooden box outer bag.
Double vacuum inner bag.

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 a dust mask, ensure proper ventilation, avoid inhalation or skin/eye contact.

Stored in a cool, dry and well-ventilated area, and follow proper procedures for disposal and cleaning to maintain material integrity and safety.

Contact Us

Website: www.vimaterial.de

Email: info@vimaterial.de

Tel: 0049 1626484175

Add.: (Warehouse) Mannheimer Straße 14., 30880 Laatzen, Niedersachsen, Germany.

(Office) Begener Straße 14., 30625 Hannover, Niedersachsen, Germany.