

Technical Data Sheet

Tantalum Nitride Granules

Product ID: 730700GN001

Formula: TaN

Molecular weight: 194.95 g/mol

CAS No.: 12033-62-4

EINECS No.: 234-788-4

Color: Gray black

Description: TaN granules offers high hardness, high thermal stability, excellent wear and corrosion resistance, and good electrical conductivity, making it suitable for high-performance coating and thin-film deposition applications.

Application: Semiconductor coatings, diffusion barriers, wear-resistant coatings, hard protective films, advanced electronic and microelectronic components, etc.

Product

Image:



1. Sizes

Product ID	Formula	Size
730700GN001	TaN (99.5%)	1 mm - 10 mm
730700GNDZ	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

Bottle/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 in a clean, dry environment using suitable protective equipment to minimize contamination and material loss during processing.

Store in a tightly sealed container in a cool, dry, dust-free environment, protected from moisture, corrosive substances, and physical damage.

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