

Technical Data Sheet

Vanadium Nitride Sputtering Target

Product ID: 230700ST001 - 230700ST005

Formular: VN

Molecular weight: 64.95 g/mol

CAS No.: 24646-85-3

EINECS No.: 246-382-4

Color: Earthy yellow

Description: Our vanadium nitride sputtering targets typically have a purity of $\geq 99.5\%$, with custom sizes available upon request. They feature high hardness, excellent wear resistance, and good electrical conductivity.

Application: Electronic and microelectronic devices, optical coatings, decorative films, etc.

Product

Image:



1. Sizes

Product ID	Formular	Size
230700ST001	VN (99.5%)	Ø 25.4mm x 3.175mm
230700ST002	VN (99.5%)	Ø 50.8mm x 3.175mm
230700ST003	VN (99.5%)	Ø 76.2mm x 3.175mm
230700ST004	VN (99.5%)	Ø 101.6 mm x 6.35 mm
230700ST005	VN (99.5%)	Ø 203.2 mm x 6.35 mm
230700STDZ	VN (99.5%)	Customized

2. Chemical compositions

	Metal impurities (ppm)						
Element Typical Value Purity	Fe	Si	Al	Mn	Ni	Cu	Mg
99.5%	≤ 600	≤ 350	≤ 400	≤ 150	≤ 200	≤ 200	≤ 80

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.

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