

## Technical Data Sheet

# Vanadium Sputtering Target

**Product ID:** 2300ST001 - 2300ST009

**Formular:** V

**Molecular weight:** 50.94 g/mol

**CAS No.:** 7440-62-2

**EINECS No.:** 231-171-1

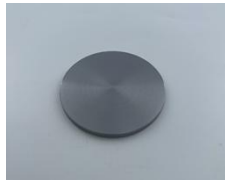
**Color:** Gray

**Description:** Our vanadium sputtering targets have purities of 99.9% and 99.95%, can be customized in various sizes according to requirements, and offer excellent electrical and thermal conductivity as well as superior thin film deposition performance.

**Application:** Semiconductors, display panels, optical coatings, and new energy applications.

**Product**

**Image:**



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### 1. Sizes

Product ID	Formular	Size
2300ST001	V (99.9%)	Ø 25.4mm x 6.35mm
2300ST002	V (99.9%)	Ø 50.8mm x 3.175mm
2300ST003	V (99.9%)	Ø 50.8mm x 6.35mm
2300ST004	V (99.95%)	Ø 76.2mm x 3.175mm
2300ST005	V (99.95%)	Ø 76.2mm x 6.35mm
2300ST006	V (99.95%)	Ø 100mm x 10mm
2300ST007	V (99.95%)	Ø 101.6mm x 6.35mm
2300ST008	V (99.95%)	200 mm x 100 mm x 10 mm
2300ST009	V (99.9%)	639 mm x 145 mm x 6 mm
2300ST3NDZ	V (99.9%)	Customized
2300ST3N5DZ	V (99.95%)	Customized

## 2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)							
	Al	Si	Cr	Fe	Zr	Nb	Mo	W
99.9%	≤ 180	≤ 250	≤ 20	≤ 380	≤ 15	≤ 80	≤ 15	≤ 30
99.95%	≤ 100	≤ 250	≤ 15	≤ 20	≤ 10	≤ 30	≤ 20	≤ 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

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, handle with care to avoid contamination and mechanical damage, and maintain a clean working environment.

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

## Contact Us

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