

## Technical Data Sheet

# Vanadium Pellets

**Product ID:** 2300PL001 - 2300PL004

**Formular:** V

**Molecular weight:** 50.94 g/mol

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

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

**Color:** Gray

**Description:** Our vanadium pellets have purities of 99.9% and 99.95%, can be customized in various sizes according to requirements, and feature high purity, good melting uniformity, and stable evaporation performance.

**Application:** Vacuum evaporation, thin film deposition, semiconductor manufacturing, and optical coating applications.

**Product**

**Image:**



### 1. Sizes

Product ID	Formular	Size
2300PL001	V (99.9%)	Ø 3mm x 3mm
2300PL002	V (99.9%)	Ø 6mm x 6mm
2300PL003	V (99.95%)	Ø 3mm x 3mm
2300PL004	V (99.95%)	Ø 6mm x 6mm
2300PL3NDZ	V (99.9%)	Customized
2300PL3N5DZ	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**

Bottle/Bag.

Double vacuum packed.

Customized 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**

When using, wear a dust mask and operate in a clean environment to avoid contamination and ensure consistent evaporation performance.

Store in a dry, cool place, sealed or under inert gas, to prevent oxidation and moisture absorption.

### **Contact Us**

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