

Technical Data Sheet

Titanium Sputtering Target

Product ID: 2200ST001 - 2200ST011

Formular: Ti

Molecular weight: 47.87 g/mol

CAS No.: 7440-32-6

EINECS No.: 231-142-3

Color: Silver-gray

Description: Our titanium targets typically have a purity of $\geq 99.5\%$ and can be customized to higher purities and various sizes, offering high purity, excellent thermal stability, and superior mechanical strength.

Application: Semiconductors, optoelectronic thin films, optical coatings, aerospace, and other advanced industrial applications.

Product

Image:



1. Sizes

Product ID	Formular	Size
2200ST001	Ti (99.5%)	Ø 63mm x 32mm
2200ST002	Ti (99.5%)	Ø 100mm x 40mm
2200ST003	Ti (99.99%)	Ø 50.8mm x 3.175mm
2200ST004	Ti (99.99%)	Ø 76.2mm x 3.175mm
2200ST005	Ti (99.999%)	Ø 50.8mm x 6.35mm
2200ST006	Ti (99.999%)	Ø 76.2mm x 3.175mm
2200ST007	Ti (99.999%)	Ø 76.2mm x 6.35mm
2200ST008	Ti (99.999%)	Ø 101.6mm x 6.35mm
2200ST009	Ti (99.999%)	Ø 203.2mm x 6.35mm
2200ST2N5DZ	Ti (99.5%)	Customized
2200ST4NDZ	Ti (99.99%)	Customized
2200ST5NDZ	Ti (99.999%)	Customized

2. Chemical compositions

Chemical Compositions (wt%)							
Element Typical Value Purity	Al	Si	Fe	C	N	H	O
99.5%	≤ 0.20	≤ 0.08	≤ 0.15	≤ 0.05	≤ 0.03	≤ 0.003	≤ 0.12

Metal impurities (ppm)									
Element Typical Value Purity	Al	Si	Fe	Co	Ni	Cu	Pb	Bi	Cd
99.99%	≤ 5	≤ 8	≤ 20	≤ 8	≤ 15	≤ 15	≤ 10	≤ 10	≤ 5
99.999%	≤ 1.5	≤ 1.5	≤ 2.0	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5

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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