

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

2. Chemical compositions

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

Element Typical Value Purity	Metal impurities (ppm)								
	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	≤ 1.5	≤ 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.

Contact Us

Website: www.vimaterial.de

Email: info@vimaterial.de

Tel: 0049 1626484175

Add: Begener Straße 14., 30625 Hannover, Niedersachsen, Germany.