

Technical Data Sheet

Titanium Oxide Sputtering Target

Product ID: 220805ST001 - 220805ST004

Formular: TiO₂

Molecular weight: 79.87 g/mol

CAS No.: 13463-67-7

EINECS No.: 236-675-5

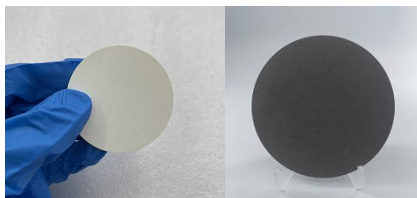
Color: White/Black

Description: Our titanium oxide sputtering targets typically have a purity of ≥99.9%, with higher purity levels and various sizes available upon request. They feature high density and excellent film uniformity, ensuring stable performance in optical and electronic thin film applications.

Application: Optical coatings, semiconductor devices, optoelectronics, and solar cells.

Product

Image:



1. Sizes

Product ID	Formular	Size	Color
220805ST001	TiO ₂ (99.9%)	Ø 50.8mm x 3.175mm	White/Black
220805ST002	TiO ₂ (99.95%)	Ø 50.8mm x 6.35mm	White/Black
220805ST003	TiO ₂ (99.95%)	Ø 101.6mm x 3.175mm	White/Black
220805ST004	TiO ₂ (99.95%)	Ø 203.2mm x 6.35mm	White/Black
220805ST3NDZ	TiO ₂ (99.9%)	Customized	White/Black
220805ST3N5DZ	TiO ₂ (99.95%)	Customized	White/Black

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Al	Fe	Si	Mn	Cu	Ni
99.9%	≤ 100	≤ 150	≤ 100	≤ 80	≤ 120	≤ 100
99.95%	≤ 50	≤ 80	≤ 50	≤ 30	≤ 80	≤ 50

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 protective equipment (such as gloves, goggles, and a dust mask) to avoid inhalation of dust or skin contact.

Store in a tightly sealed container in a cool, dry place, away from moisture and incompatible substances.

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