

## Technical Data Sheet

# Titanium Disilicide Sputtering Target

<b>Product ID:</b>	221401ST001 - 221401ST005		
<b>Formular:</b>	TiSi <sub>2</sub>	<b>Molecular weight:</b>	104.04 g/mol
<b>CAS No.:</b>	12039-83-7	<b>EINECS No.:</b>	234-904-3
<b>Color:</b>	Gray black		
<b>Description:</b>	Our titanium disilicide sputtering target material has a purity of ≥99.9%, with customizable sizes to meet specific requirements, offering excellent electrical conductivity, high-temperature resistance, and chemical stability.		
<b>Application:</b>	Thin film deposition Semiconductor device manufacturing High-performance coatings Electronic components.		

**Product  
Image:**



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### 1. Sizes

Product ID	Formular	Particle Size
221401ST001	TiSi <sub>2</sub> (99.9%)	Ø 50.8mm x 3.175mm
221401ST002	TiSi <sub>2</sub> (99.9%)	Ø 50.8mm x 6.35mm
221401ST003	TiSi <sub>2</sub> (99.9%)	Ø 76.2mm x 3.175mm
221401ST004	TiSi <sub>2</sub> (99.9%)	Ø 76.2mm x 6.35mm
221401ST005	TiSi <sub>2</sub> (99.9%)	Ø 101.6mm x 3.175mm
221401STDZ	TiSi <sub>2</sub> (99.9%)	Customized

## 2. Chemical compositions

		Metal impurities (ppm)					
Element	Typical Value	Fe	Mn	Cu	Mg	Ca	Zn
Purity	99.9%	≤ 300	≤ 100	≤ 130	≤ 80	≤ 100	≤ 100

*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.  
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 clean gloves and operate in a dry, clean environment to avoid contamination and surface damage.

Store in a sealed container, away from moisture and high temperatures, and keep at room temperature.

## Contact Us

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