

## Technical Data Sheet

# Titanium Carbide Sputtering Target

**Product ID:** 220600ST001 - 220600ST004

**Formular:** TiC

**Molecular weight:** 59.88 g/mol

**CAS No.:** 12070-08-5

**EINECS No.:** 235-120-4

**Color:** Dark gray

**Description:** Our titanium carbide sputtering targets have a purity of 99.5% and are available in customized sizes to meet specific requirements, offering excellent wear resistance, high melting point, and outstanding chemical stability.

**Application:** Cutting tool coatings, semiconductor and memory devices, high-temperature aerospace components, wear-resistant and decorative coatings, etc.

**Product**

**Image:**



### 1. Sizes

Product ID	Formular	Size
220600ST001	TiC (99.5%)	Ø 50.8mm x 3.175mm
220600ST002	TiC (99.5%)	Ø 50.8mm x 6.35mm
220600ST003	TiC (99.5%)	Ø 101.6mm x 6.35mm
220600ST004	TiC (99.5%)	51.3 mm x 88 mm x 5 mm
220600STDZ	TiC (99.5%)	Customized

### 2. Chemical compositions

Element Typical Value Purity	Chemical Composition (ppm)					
	Fe	Ca	Mg	Cu	Al	Mn
99.5%	≤ 1000	≤ 300	≤ 200	≤ 500	≤ 500	≤ 300

*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**

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