

## Technical Data Sheet

# Titanium Carbide Granules

**Product ID:** 220600GN001

**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 granules have a purity of 99.5% and are available in customized sizes to meet specific requirements, offering high hardness, excellent wear resistance, and outstanding chemical stability.

**Application:** Wear-resistant coatings, cemented carbides, cutting tools, cermets, and high-temperature structural and protective applications.

**Product  
Image:**



### 1. Sizes

Product ID	Formular	Size
220600GN001	TiC (99.5%)	1 - 10 mm
220600GNDZ	TiC (99.5%)	Customized

### 2. Chemical compositions

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

*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**

Bottled/Bag.

Double vacuum packed.

Customizable packaging is available upon request.

### **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 and operate in a clean, dry environment to minimize dust generation and prevent contamination during processing.

Stored in tightly sealed containers in a cool, dry, and well-ventilated area, away from moisture and corrosive substances to maintain product quality and stability.

### **Contact Us**

Website: [www.vimaterial.de](http://www.vimaterial.de)

Email: [info@vimaterial.de](mailto:info@vimaterial.de)

Tel: 0049 1626484175

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