



Titanium Carbide Granules

❖ Product Introduction

Titanium carbide powder is a high-purity ceramic material with a metallic-gray dense appearance. It possesses a stable crystal structure and excellent chemical stability. The powder exhibits strong resistance to corrosion and oxidation, along with a high melting point and superior thermal stability. Additionally, it shows good electrical conductivity and wear resistance, making it highly suitable for advanced powder metallurgy, coating, and additive manufacturing applications.

❖ Product Characteristics

1. High-purity TiC granules with dense structure and uniform particle size
2. Excellent thermal stability and chemically stable under extreme conditions
3. Superior electrical conductivity and outstanding wear resistance
4. Highly resistant to corrosion and oxidation, with strong mechanical strength

❖ Product Specifications

Product ID	Formula	Purity	Size
220600GN001	TiC	99.5%	1-10mm
220600GNC01	TiC	Customized	Customized

Chemical Compositions (ppm)					
Fe	Ca	Mg	Cu	Al	Mn
≤ 1000	≤ 300	≤ 200	≤ 500	≤ 500	≤ 300

❖ Typical Applications

Titanium carbide Granules are widely used in cemented carbide production, wear-resistant material modification, metal matrix composite reinforcement, and advanced ceramic manufacturing applications.

❖ Packaging

Outer Packaging: Cardboard box or cardboard drum

Inner Packaging: Double-layer vacuum-sealed bag

Packaging Specifications: 1 kg/bag or 25 kg/bag

Customized packaging is available upon request.

❖ **Storage**

This product may cause skin and eye irritation, and inhalation of dust should be avoided as it can irritate the respiratory tract. We recommend that customers inform us of their intended use before purchasing to ensure safe and proper handling of the titanium carbide sputtering target.

❖ **Custom specifications are available, including**

- Higher purity
- More sizes and shapes

❖ **Cautions**

This product may cause skin and eye irritation, and inhalation of dust generated during handling should be avoided as it may irritate the respiratory tract. We recommend that customers inform us of their intended use before purchasing to ensure safe and proper handling of the material.

Disclaimer

The information provided herein is for reference only and represents typical data, not guaranteed minimum or maximum specification values. It should not be used as a basis for final product design or specific application decisions. All data are subject to change without prior notice.

We make no warranties, express or implied, regarding the accuracy or completeness of the information. Actual properties of individual batches may vary. Users are responsible for verifying the suitability of the product for their specific applications.