



Titanium Monoxide Granules/Pellets

❖ Product Introduction

Titanium Monoxide Granules/Pellets are high-purity inorganic titanium oxide materials with a golden crystalline granule/pellet appearance. They feature a stable rock-salt crystal structure and favorable chemical stability under dry ambient conditions. Insoluble in water and common organic solvents, the material has a high melting point and excellent thermal stability. This material also displays unique electrical conductivity and distinctive optical properties, widely applied for evaporation coating.

❖ Product Characteristics

1. High purity, uniform particle size and consistent pellet/granule morphology
2. Excellent thermal stability and outstanding chemical inertness under dry conditions
3. Superior electrical conductivity and stable optical properties for thin-film evaporation
4. Insoluble in water and most organic solvents, with good oxidation resistance at room temperature

❖ Product Specifications

Product ID	Formula	Purity	Size
220804GN001	TiO	99.9%	1-4mm
220804PL001	TiO	99.9%	Ø 3 mm x 3 mm
220804PL002	TiO	99.9%	Ø 6.25 mm x 6 mm
220804GNC01	TiO	Customized	Customized
220804PLC01	TiO	Customized	Customized

Chemical Compositions (ppm)						
Al	Co	Cr	Cu	Fe	Mn	Ni
≤ 150	≤ 50	≤ 50	≤ 50	≤ 200	≤ 50	≤ 50

❖ Typical Applications

Titanium Monoxide Granules/Pellets are widely used for optical coating layers, conductive thin

films, decorative coatings and vacuum evaporation applications.

❖ **Packaging**

Outer packaging: carton or fiber drum.

Inner packaging: double vacuum-sealed bags.

Packing specification: 1 kg/bag or 25 kg/drum.

Customized packaging is available upon request.

❖ **Storage**

During transportation and storage, avoid moisture, contamination and direct sunlight. Keep away from fire sources and corrosive substances. Use the bag as soon as it is opened. The shelf life is no more than 24 months from the production date.

❖ Custom specifications are available, including

- Higher purity
- More sizes and shapes

❖ **Cautions**

This product is harmful if swallowed or inhaled, and may cause skin and eye irritation. Inhalation may irritate the respiratory tract; avoid inhalation. We recommend that customers inform us of their intended use before purchasing to ensure proper product use.

Disclaimer

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