

Technical Data Sheet

Titanium Dioxide Nanopowder

Product ID: 220805NPD001 - 220805NPD004

Formular: TiO₂

Molecular weight: 79.86 g/mol

CAS No.: 13463-67-7

EINECS No.: 236-675-5

Color: White

Description: Our titanium dioxide typically has a purity of ≥99.5%, with various particle sizes available upon request. It features excellent electrical insulation and photocatalytic properties.

Application: Photocatalytic applications, ceramics and glass, coatings and inks, plastics and rubber, cosmetics and personal care products, etc.

Product

Image:



1. Sizes

Product ID	Formular	Particle Size	Crystal Structure	Particle Shape
220805NPD001	TiO ₂	50 nm	Anatase	Grain
220805NPD002	TiO ₂	50 nm	Rutile	Rod-like
220805NPD003	TiO ₂	100 nm	Rutile	Rod-like
220805NPD004	TiO ₂	200 nm	Rutile	Rod-like
220805NPDDZ	TiO ₂	Customized	Anatase/Rutile	Grain/Rod-like

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)							
	Ca	Al	Fe	K	Mg	Si	Sr	Na
99.5%	≤ 250	≤ 250	≤ 200	≤ 100	≤ 250	≤ 450	≤ 150	≤ 100
99.95%	≤ 30	≤ 30	≤ 20	≤ 10	≤ 30	≤ 50	≤ 20	≤ 10

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

Bottle/Bag packaging

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 (such as gloves, goggles, and a dust mask) to avoid inhalation of dust or skin contact.

Store in a cool, dry place, tightly sealed, away from moisture and incompatible materials.

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