



DEGUSSA

TiO₂P-25 NANOPARTICLES

    /nanoshel

www.nanoshel.com | sales@nanoshel.com

Tel: 91+9779550077,9779238252

DEGUSSA

TiO₂P-25 NANOPARTICLES

TiO₂ is a highly insoluble thermally stable. Titanium is suitable for glass, optic and ceramic applications. Oxide compounds are not conductive to electricity. Currently, they are mainly found in high-factor sun protection creams, textile fibers or wood preservatives. For a long time, sun creams have been manufactured adding titanium oxide microparticles that gave the products a pasty, sticky consistency. TiO₂ is mostly used as a white pigment because of its high diffraction index, strong light scattering,

incident-light reflection capability and a high UV resistance that make TiO₂ the standard pigment found in white dispersion paints with high hiding power. Leaving a visible film, application of such sun creams was not easy and not pleasing to the skin. Sun creams that contain the transparent nanoscale TiO₂ can be applied much more easily. In addition, their protective effect against harmful UV radiation is much better. At present, high sun protection factors can only be achieved using nanoscale TiO₂.



Quick FACTS


Product	: Titanium Oxide Nanopowder
Stock No	: NS6130-03-394
CAS	: 13463-67-7
Color	: White
Form	: Powder

    /nanoshel

www.nanoshel.com | sales@nanoshel.com

Tel: +91 9779550077,9779238252



 ISO 9001:2015
CERTIFIED COMPANY



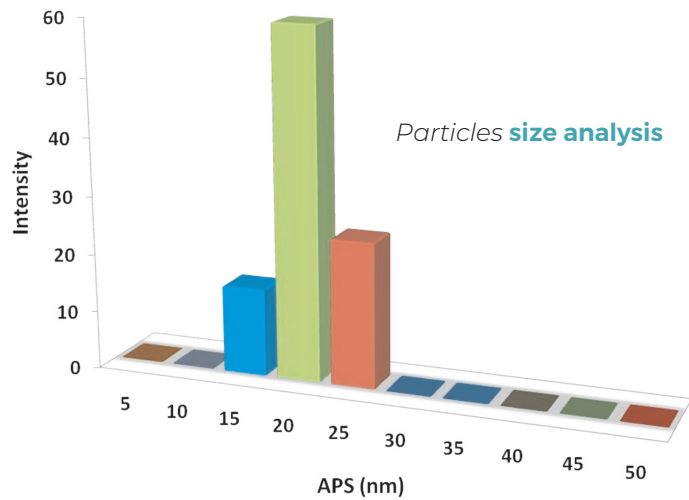
NEXT



APPLICATIONS

- ✓ used in antiseptic and antibacterial compositions
- ✓ Degrading organic contaminants and germs
- ✓ As a UV-resistant material
- ✓ Manufacture of printing ink, self-cleaning ceramics and glass, coating, etc.
- ✓ Used in the paper industry for improving the opacity of paper.
- ✓ In Cosmetics
- ✓ Employed in coatings
- ✓ Air filtration

- ✓ Utilized in inks and glass
- ✓ Astronautics industry



Additional Powder Characteristics

Stock No.	Purity	APS
NS6130-03-394	99.9%	25nm

Technical Specification

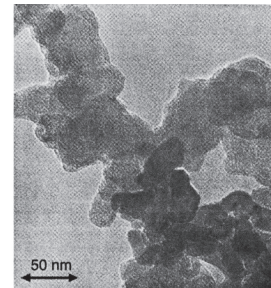
Molecular Formula	Molecular Weight	Density	Melting Point	Boiling Point
TiO ₂	79.87 g/mol	4.26 g/cm ³	1850 °C	2972 °C

Chemical Composition

Product	Weight Percent (nominal)	
	TiO ₂	Other Metal
Titanium Oxide Nanopowder	99.9 %	1000 ppm

Properties

- ✓ Chemical Symbol: TiO₂
- ✓ CAS No.: 13463-67-7



Ordering Information and Stock Availability

- ✓ Product: Titanium Oxide Nanopowder
- ✓ Stock Availability: Available
- ✓ Distribution: Global
- ✓ Packing Sizes: 25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders

Handling Recommendations

- ✓ Store in the original container in a dry location.
- ✓ Tumble contents prior to use to prevent segregation.
- ✓ Open containers should be stored in a drying oven to prevent moisture pickup.

Safety Recommendations

Download MSDS/SDS NS6130-03-394

SDS are available from the Nanoshel

Website at

<https://www.nanoshel.com/sections/oxide-nanopowder>