

TITANIUM OXIDE NANOPOWDER

Coated with Alumina



D: Nanoshel
Inv No: PI1920/3346
Titanium Oxide Nanopowder (Coated)
TiO₂ Rutile, Purity: 99.9%, APS: 30nm
Coated with Silicon & Alumina
CAS: 13463-67-7 Lead Time 2-3 Weeks
NS6130-03-354
Qty:
Batch No: 22-06-2019

Purity
99.9%

TiO₂

NS6130-03-354

NEXT



Coated with Alumina TITANIUM OXIDE NANOPOWDER

Nanoparticles research presents a wide scope for the development of novel solutions in the field of healthcare, cosmetics, optics, and electronics. Altering the molecular and atomic states of nanoparticles results in unexpected outcomes, which may not be possible by using the materials in their original states. Titanium Dioxide nanoparticles are known for their ability to inhibit bacterial growth and prevent further formation of cell structures.

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.

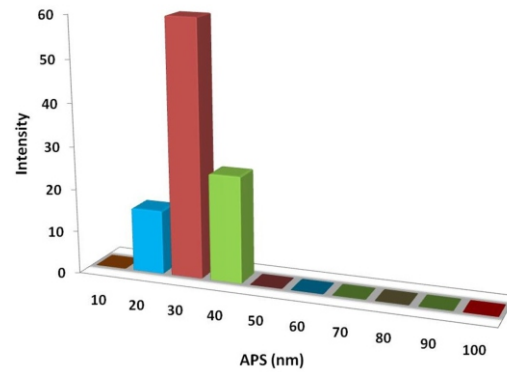
QuickFACTS

Product	:	Titanium Oxide Nanopowder <small>Coated with Alumina</small>
Stock No	:	NS6130-03-354
CAS	:	13463-67-7
Color	:	White
Form	:	Powder
Symbol	:	TiO ₂
Group	:	Titanium 4/Oxygen 16

Electronic Configuration:

Titanium [Ar] 3d² 4s²

Oxygen [He] 2s² 2p⁴



ADDITIONAL POWDER CHARACTERISTICS

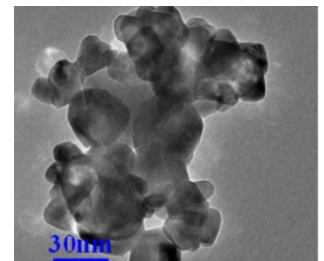
Stock No.	Purity	APS
NS6130-03-354	99.9%	30nm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
TiO ₂	79.866 g/mol	4.23 g/cm ³	1843 °C

CHEMICAL COMPOSITION

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



APPLICATIONS

- > Photo catalytic Applications
- > Environmental improvement applications
- > In paints,
- > In plastics,
- > In paper technology
- > In foods
- > Used in sunscreens
- > Used as a welding electrode



ISO 9001:2015
CERTIFIED COMPANY

INTELLIGENT MATERIALS PVT LTD
Derabassi
Punjab (140507)
INDIA

NANOSHEL UK LIMITED
Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

NANOSHEL LLC
3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+91 9779 550077, 9779238252

+44 1782 454 144, +44 74 105 48802

+1 646 470 4911