

ALUMINIUM NANOPOWDER



TiO₂
Coated

    /nanoshel

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NEXT 

Aluminium NANOPOWDER



APPLICATIONS

- ✓ Building material
- ✓ In electron devices
- ✓ Photocatalysis
- ✓ Adsorbents

Quick FACTS

Product	: Aluminium Nanopowder TiO2 Coated
Stock No	: NS6130-01-176
CAS	: 7429-90-5
Color	: Light Gray
Form	: Powder

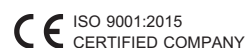
Additional Powder Characteristics

Stock No.	Purity	APS
NS6130-01-176	99.9%	80-100nm

Aluminum is relatively cheap and light. It can be added to surfaces of aluminum corrosion resistance, catalytic activity, and by surface finishing. Generally, aluminum treated by surface finishing is extensively utilized as a building material and in electron devices. The cost of the chemical conversion treatment is remarkably low for the one surface finishing because the electrolytic

decomposition process is useless compared with anodic oxidation and metal plating. TiO₂ exhibits photocatalytic properties due to these properties these nanoparticles can be used for environmental purification. In addition, a titanium dioxide with photocatalytic activities is harmless and has high photocatalytic activity and chemical stability. Generally, a

sol-gel method is known as one immobilization of TiO₂. But this method cannot preserve for long durations because the solution is a volatile organic compound in which hydrolysis of titanium compounds occurs. Furthermore, a sol-gel solution consisting of titanium alkoxide is expensive.



Technical Specification

Molecular Formula	Coating	SSA	pH
Al/TiO ₂	TiO ₂	15-20 m ² /g	6.6

Properties

- ✓ Chemical Symbol: Al/TiO₂
- ✓ CAS No.: 7429-90-5

Chemical Composition

Product	Weight Percent (nominal)	
	Al/TiO ₂	Other Metal
Aluminium Nanopowder TiO ₂ Coated	99.9 %	N/A

Ordering Information and Stock Availability

- ✓ Product: Aluminium Nanopowder Tio2 Coated
- ✓ 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 NS6130-03-305

SDS are available from the Nanoshel

Website at

<https://www.nanoshel.com/product/Aluminium-Nanopowder-Tio2-Coated>

