

# Aluminium Oxide Nano Particle



We manufacture  $\text{Al}_2\text{O}_3$  nanoparticles by solgel method in bulk quantity with multi-point of quality check to get accurate Aluminium oxide nanopowder.



APS: 20-50 nm

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# PRODUCT FEATURES



Purity: 99.9%

## Advantages

- ▶ High thermal barrier properties as well as being superhydrophobic.
- ▶ Durability, fire retardancy, Stiffness, Thermal fatigue resistance, Fracture toughness, Creep resistance and wear resistance.
- ▶ Chemically stable
- ▶ Anti-corrosive
- ▶ Mechanical strength Enhancement
- ▶ Electrical insulating

## Applications

Anti Corrosion, Scratch And Wear Resistance Coatings And Also Display High Thermal Barrier Properties.

Automotive, Filtration, Military, Energy, Cosmetics, Coatings, Oil & Gas, Electronics.

Anti-wear Coatings In Oil & Gas Pipelines. Fillers In Polymers & Tyres. Electronics, Windows, Flooring And Other Surfaces And Coatings.

Technical Ceramics With Enhanced Hardness & Thermal Conductivity. Magnetic Tape Additives & Polishing Abrasives Of Metal, Plastics, Etc

Transparent Conductive Coatings. Transparent Optical Coatings. Sintering Additives. Propellants. Cosmetics Additive/filler.

Packaging Materials, Cutting Tools, High Purity Crucible, Winding Axle, And Furnace Tubes, Semiconductor Materials, Plastic, Tape, And Grinding Belts

Paint, Rubber, Plastic Wear-resistant Reinforcement, & Advanced Waterproof Materials, Catalyst, Catalyst Carrier, Analytical Reagents

Aerospace Aircraft Wing Leading Edges, Vapor Deposition Materials, Special Glass, Fluorescent Materials, Composite Materials, And Resins

To Improve Ceramics Density, Smoothness, Fracture Toughness, Creep Resistance, Thermal Fatigue Resistance, Ideal Material Of Far-infrared Emission.