

Zirconium Oxide Nano Particle



We manufacture ZrO_2 nanoparticles by solgel method in bulk quantity with multi-point of quality check to get accurate Zirconium oxide nanopowder.



APS: 30-80 nm



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PRODUCT FEATURES



Purity: 99.9%

Advantages

- ▶ Chemical inertness
- ▶ Excellent Thermal stability
- ▶ High refractive index
- ▶ High hardness

Applications

Nano-zrO₂ As
Dental Ceramics &
Dental Implants

Nano-ZrO₂ As
Bone Tissue Engineering
Scaffolds

nano-ZrO₂ as
radiopacifying agent.

ZrO₂ Nanoparticles Have Found
Uses In Solid Oxide Fuel Cells
And In Nitrogen Oxide,
Oxygen Gas Sensors.

Well Suited For High Temperature
Energy Conversion Systems,
Attributed To Its High Oxygen
Ion Transport Capabilities
And Long-term Stability.

In Ceramics For Making
Ceramic Pigments,
Porcelain Glaze, Etc.

In Making Artificial Jewellery.

In Making Abrasive, Insulating
And Fire-retarding Materials.

The Powder Exhibits Pyrooptical
Properties, Hence Used For
Optical Storage, Light Shutters
And Stereo Television Glasses.