

# Zirconium

OXIDE COMPOUND POWDER


## Quick FACTS

- ✓ Product : Zirconium Oxide Compound Powder
- ✓ Color : White Powder
- ✓ Stock No : NS6130-12-001130
- ✓ CAS : 1314-23-4
- ✓ Purity : 99%
- ✓ APS : -325mesh
- ✓ Other Metal : 8500ppm

Zirconium is a Block D, Period 5 element and oxygen is a Block P, Period 2 element.

Zirconium oxide are used, among other applications, as tools for wire forming, as auxiliaries in welding processes, as materials for crowns and bridges in the dental industry, as insulating rings in thermal processes, and as oxygen measurement cells in lambda probes. Zirconia, mainly consisting of  $ZrO_2$ , has the highest mechanical strength and fracture toughness at room temperature of all major fine ceramics. It is used to make cutting blades, scissors and knives. It is also used for pump parts due to its superior surface smoothness.



 ISO 9001:2015  
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ISO: 13485:2016/20ZICE4588M  
CE: 20ZICE4589C

    /nanoshel

www.nanoshel.com | sales@nanoshel.com

Tel: +91 9779550077,9779238252

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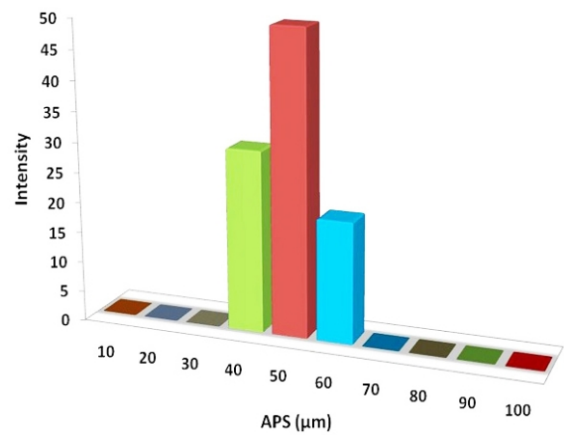
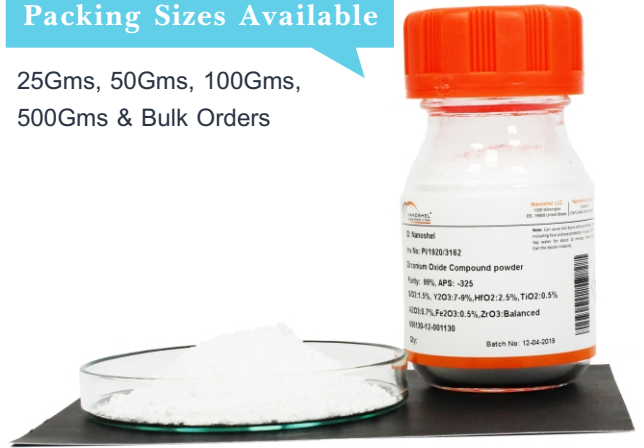
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## Applications

- ✓ Opacifiers, Refractories, Catalysts
- ✓ Sensors, High Temperature Insulation
- ✓ Electronic Ceramics, Wear Resistant Products
- ✓ Zirconium Metal Production, High Temperature Filler

## Packing Sizes Available

25Gms, 50Gms, 100Gms,  
500Gms & Bulk Orders



## Technical SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
ZrO <sub>2</sub>	123.22g/mol	5.7g/cm <sup>3</sup>	2700 °C

### INTELLIGENT MATERIALS PVT LTD

Derabassi-140507 Punjab-India  
www.nanoshel.com | sales@nanoshel.com  
+91 9779 550077, 9779238252  
Company's GSTIN: 03AABCI9814Q1Z6

### NANOSHEL UK LIMITED.

Chapel House  
Chapel St Cheshire  
CW12 4AB United Kingdom  
+44(0)74105488, +442031375187

### NANOSHEL LLC.

3422 old Capitol Suit  
1305 Wilmington DE - 19808  
United States  
+1646 470 4911



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