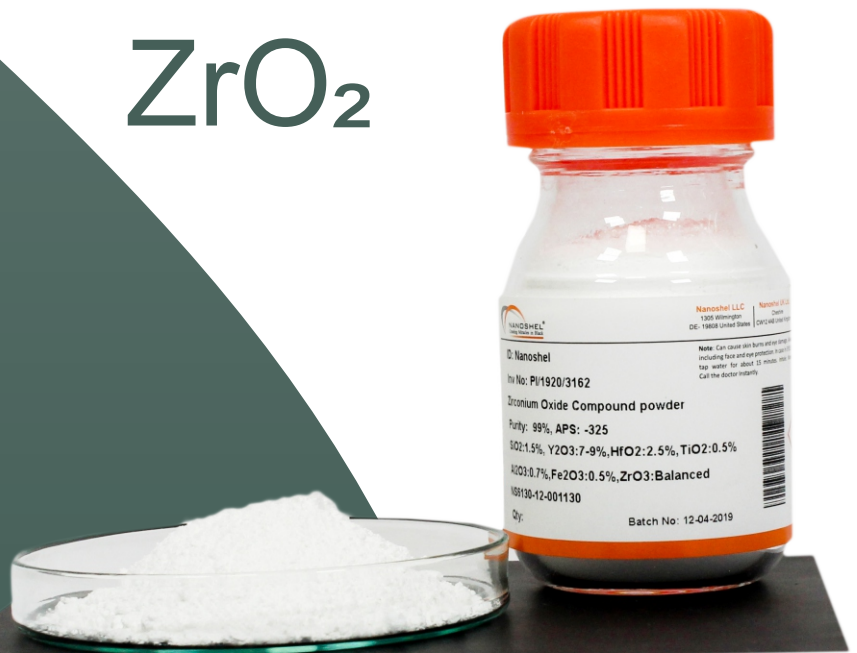


ZIRCONIUM OXIDE COMPOUND POWDER

Stock No: NS6130-12-001130



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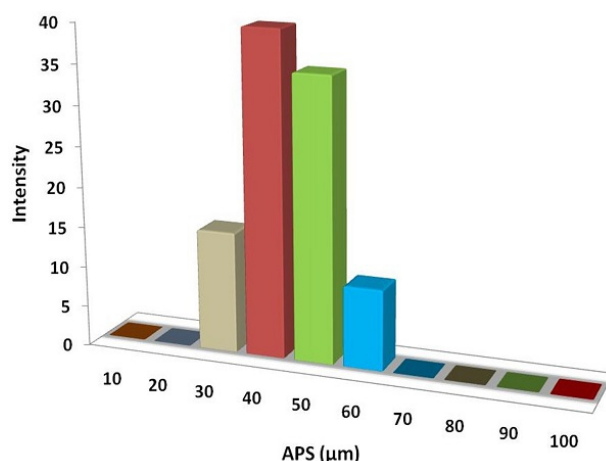
| www.nanoshel.com | sales@nanoshel.com

Zirconium Oxide Compound Powder

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.

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



Technical Specification

Molecular Formula	Molecular Weight	Density	Melting Point
ZrO_2	123.22g/mol	5.7g/cm ₃	2700°C

Applications

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

ISO 9001:2015
CERTIFIED COMPANY

INTELLIGENT MATERIALS PVT LTD
Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

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

+44 1782 454 144, +44 74 105 48802

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

+1 646 470 4911

