

**NS6130-12-000984**

# NEODYMIUM Oxide Nanoparticles

## Quick Facts

Product	: Neodymium Oxide Nanoparticles
Stock No	: NS6130-12-000984
CAS	: 1313-97-9
Molecular Formula	: Nd <sub>2</sub> O <sub>3</sub>
Form	: Powder

**Purity**  
99.99%

## Technical Specification

Molecular Weight	Density	Melting Point	APS
336.48g/mol	7.24g/cm <sup>3</sup>	N/A	80-100nm

Neodymium(III) oxide or neodymium sesquioxide is the chemical compound composed of neodymium and oxygen with the formula Nd<sub>2</sub>O<sub>3</sub>. Used in ceramic capacitors, color TV tubes, high temperature glazes, coloring glass, carbon-arc-light electrodes, and vacuum deposition. Neodymium(III) oxide is also used as a polymerization catalyst. d<sub>2</sub>O<sub>3</sub> powder is utilized as additives for coloring and enhancing the optical properties of glasses. It is also used as an effective semiconductor material in diodes, as components for high temperature ceramics and superconductors.

**Nd<sub>2</sub>O<sub>3</sub>**  
APS 80-100nm



Follow us:



| [www.nanoshel.com](http://www.nanoshel.com) | [sales@nanoshel.com](mailto:sales@nanoshel.com)



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

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 (0) 74 105 488, +44 203 137 5187

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

+1 646 470 4911