NANOSHEL

Neodymium
Oxide Powder

NS6130-12-000619

APS
60µm

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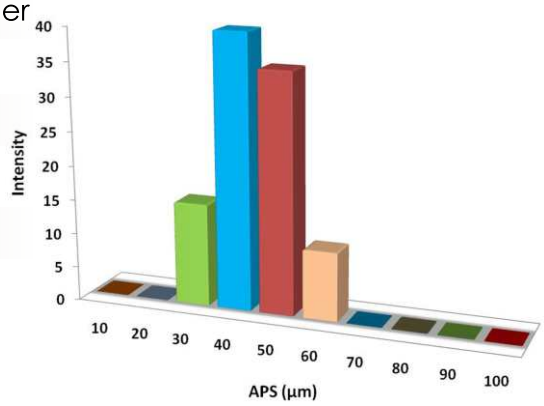
Neodymium Oxide Powder

Neodymium oxide powder has been widely utilized in photonic applications, luminescent and thermo luminescent materials. It doped glass utilized as a laser material. Neodymium doped glass changes its color due to lighting some neodymium doped glass is dichroic and it turns purple due to the absorbance of yellow and green blight, and is utilized in welding goggles. It is also employed as polymerization catalyst. It can be utilized to produce neodymium metal and various neodymium alloys through certain processes. Neodymium oxide powder is utilized as a dopant for high efficiency solid state lasers.

Quick Facts

Product	:	Neodymium Oxide Powder
Stock No	:	NS6130-12-000619
CAS	:	1313-97-9
Purity	:	99%
Color	:	Light Bluish Gray
Form	:	Powder



Technical Specification

Formula	APS	Molecular Weight	Melting Point
Nd_2O_3	60µm	336.48 g/mol	2233 °C

Chemical Composition

Product	Weight Percent (nominal)	
	Nd_2O_3	Other Metal
Neodymium Oxide Powder	99%	0.1%

Applications

- As catalysts and catalyst supports
- As sintering additives, and additives for Mg or Al alloys and polymers
- As coloring agent of glass and ceramics
- As dopants for high-efficiency solid state lasers

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