

Nickel

Trioxide Powder







APS
40-50 μ m

NS6130-05-513



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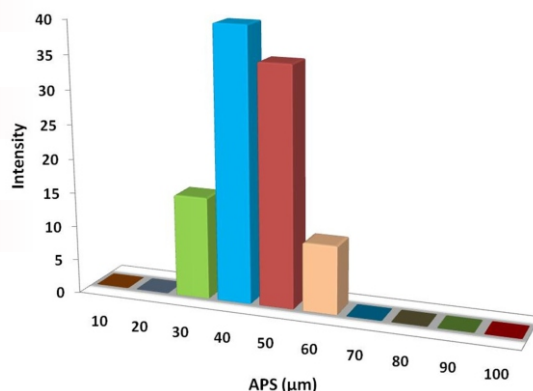
Nickel Trioxide Powder

Nickel is a silvery-white, hard, malleable, and ductile metal. It is of the iron group and it is a fairly good conductor of heat and electricity. In its familiar compounds, nickel is bivalent, although it assumes other valences and it also forms a number of complex compounds. Mostly nickel compounds exhibit blue or green.

Nickel oxide is an attractive semiconductor, due to its properties are very useful for distinct photocatalytic, electrochromic, battery, and chemical sensing applications. Nickel trioxide is also an alluring material for applications in the preparation of nickel cermet for the anode layer of solid oxide fuel cells, in lithium nickel oxide cathodes for lithium-ion micro batteries. It is also employed in electrochromic coatings, plastics and textiles, in nanowires, nanofibers and specific alloy and catalyst applications.

Quick Facts

Product	:	Nickel Trioxide Powder
Stock No	:	NS6130-05-513
CAS	:	1314-06-3
Purity	:	99%
Color	:	Black-Dark
Form	:	Powder



Technical Specification

Formula	APS	Molecular Weight	Melting Point
Ni ₂ O ₃	40-50μm	165.39 g/mol	600 °C

Chemical Composition

Product	Weight Percent (nominal)	
	Ni ₂ O ₃	Other Metal
Nickel Trioxide Powder	99%	

Applications

- Pigments for ceramic, glasses and glazes
- Optoelectronic devices
- Thermistors and varistors

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

ISO 9001:2015
CERTIFIED COMPANY



20ZICE4589C



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