

Nickel

Monoxide Powder

NS6130-05-514



APS
40-50 μ m



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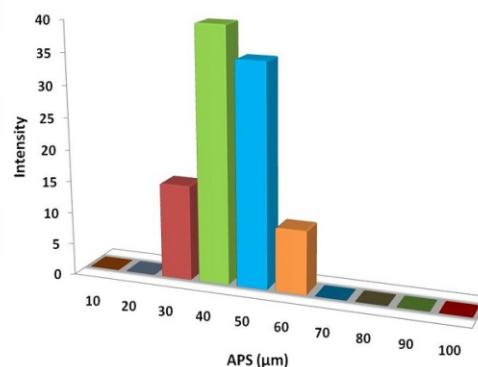
Nickel Monoxide Powder

Nickel is 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 preparation of nickel cermet for the anode layer of solid oxide fuel cells, in lithium nickel oxide cathodes for lithium ion microbatteries. It is also employed in electrochromic coatings, plastics and textiles, in nanowires, nanofibers and specific alloy and catalyst applications.

Quick Facts

Product	:	Nickel Monoxide Powder
Stock No	:	NS6130-05-514
CAS	:	1313-99-1
Purity	:	99%
Color	:	Black-Dark
Form	:	Powder



Technical Specification

Formula	APS	Molecular Weight	Melting Point
NiO	40-50μm	74.69 g/mol	1955 °C

Chemical Composition

Product	Weight Percent (nominal)	
	NiO	Other Metal
Nickel Monoxide Powder	99%	

Applications

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

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20ZICE4589C



19ZAZGO1274G



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