

NICKEL COPPER ZINC IRON NANOPOWDER OXIDE



Purity
99.9%



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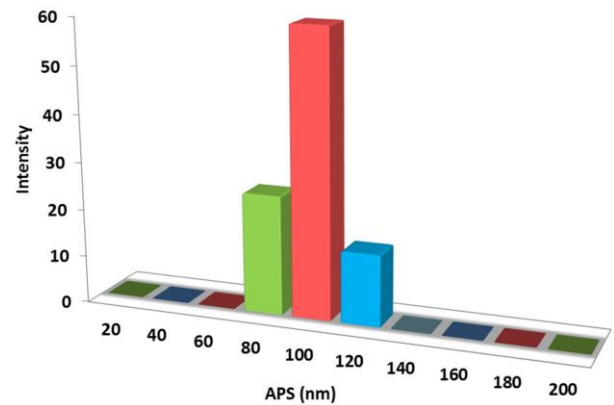


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NS6130-12-001286

NICKEL COPPER ZINC IRON OXIDE NANOPOWDER

In recent years, Magnetic properties of nanometer-sized particles have attracted considerable attention due to their unique properties. For the synthesis of magnetic fluids, nanoparticles with a particle size of the order of 10 nm and with a narrow size distribution were needed. Magnetic nanoparticles have fostering increasing interest among researchers of distinct fields because of their extensive applications such as information storage system, medical diagnostics, ferrofluid technology, etc. Various preparation methods, for instance, sol-gel pyrolysis method, hydrothermal technique and mechanical alloying have been used to prepare ferrite nanoparticles.



ADDITIONAL POWDER CHARACTERISTICS

Stock No.	Purity	APS
NS6130-12-001286	99.9%	80-100nm

CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
	NiCuZnFeO ₄	Other Metal
Nickel Copper Zinc Iron Oxide Nanopowder	99.9%	1000ppm

QuickFACTS

Product	:	Nickel Copper Zinc Iron Oxide NPs
Stock No	:	NS6130-12-001286
Color	:	Gray/Black
Form	:	Powder
Symbol	:	NiCuZnFeO ₄

APPLICATIONS

- > Preparation of nickel cermet which is used as the anode layer of solid oxide fuel cells (SOFC)
- > In lithium-ion micro-batteries as lithium nickel zinc iron cathode
- > In plastics, textiles, electrochromic coatings
- > In nanofiber, nanowire, alloys and catalyst applications.



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

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