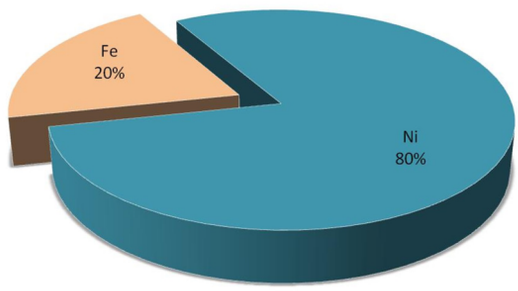
NANOSHEL
Creating Miracles in Black

Nickel Iron Alloy Nanoparticles

Iron Nickel Alloy Nanopowder



Composition Chart

Ni:Fe

Stock No:
NS6130-07-706

CAS	:	7439-89-6 / 7440-02-0
Purity	:	99.9%
APS	:	<80nm
Color	:	Black
Form	:	Powder

Technical Specification

Molecular Formula	:	Ni:Fe
Density	:	8.39g/cm³
SSA	:	>14.4 m²/g

Chemical Composition

Assay	:	99.9%
Fe	:	20%
Ni	:	80%
Other Metal	:	< 0.1 %

Nickel Iron alloys is of particular interest because a broad variety of qualitatively different magnetic properties can be obtained by adjusting the composition and the preparation process. There are no restraints to rolling so it is possible to obtain good laminations with thickness down to 10–20 µm, with great benefits for classical losses.
Nickel Iron alloys has applications, such as telecommunications, aeronautical and aerospace engineering, cryogenic engineering (liquefied natural gas tankers) etc, require either high dimensional stability with variation in temperature, or expansion characteristics matched with those of other materials, such as glass, ceramics, or composites.

Application:

- ✓ Aircraft gas turbines
- ✓ Steam turbine power plants
- ✓ Medical applications
- ✓ Nuclear power systems
- ✓ Chemical and petrochemical industries

ISO 9001:2015
CERTIFIED COMPANY

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