



Alloy Iron Nickel **NANOPARTICLES**

Fe:Ni

Stock No:
NS6130-07-705

CAS	:	7439-89-6 / 7440-02-0
Purity	:	99.9%
APS	:	<100nm
Color	:	Black
Form	:	Powder

Technical Specification

Molecular Formula	:	Fe:Ni
Density	:	8.39g/cm ³
SSA	:	>14.4m ² /g

Chemical Composition

Assay	:	99.9%
Nickel	:	50%
Titanium	:	50%
Other Metal	:	< 0.1 %

Iron Nickel alloys are 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. Iron Nickel 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



20ZICE4589C



19ZAZGO1274G



20ZICE4588M



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