NANOSHEL
Creating Miracles in Black

Nickel
High Purity Metal

Nickel is a chemical element with the symbol Ni and atomic number 28. Nickel is a strong, lustrous, silvery-white metal that is a staple of our daily lives and can be found in everything from the batteries that power our television remotes to the stainless steel that is used to make our kitchen sinks. Nickel is a fairly good conductor of electricity and heat and is one of only four elements (cobalt, iron, nickel and gadolinium) that are ferromagnetic (magnetized easily) at room temperature.

Characteristics

- ✓ Corrosion-resistant
- ✓ Ductile and malleable
- ✓ Good conductivity
- ✓ Heat- Resistance
- ✓ High temperatures

Benefits

- ✓ Tubing for desalination plants
- ✓ Aircraft turbines components
- ✓ Military, transport, aerospace
- ✓ Marine and architectural applications
- ✓ Thermometer bulbs and resistance thermometers.
- ✓ Glass to metal and ceramic to metal seals.
- ✓ Marine, petroleum and chemical processing equipment.
- ✓ Incineration systems.
- ✓ Controlled expansion nickel super alloys.

Quick Facts

Molecular Formula	:	Ni
Molecular Weight	:	58.69 g/mol
Density	:	8.902g/cm3
Melting Point	:	1453 °C
Boiling Point	:	2732 °C
Thermal Conductivity	:	90.9W/(mK)
Electrical Resistivity	:	69.3 nΩm (at 20 °C)
Thermal Expansion	:	13.4µm/(mK) (at 25 °C)
Young's Modulus	:	200GPa
Specific Heat	:	0.44 kJ/kg·K

Purity : 99.9%

High Purity
Nickel
Available in:

Pieces | Rods | Shots | Chips | Pellets | Wires | Ingots | Bars | Granules

28
Ni
58.693

CE 20ZICE4589C
GMP 19ZAZGO1274G
ISO 9001:2015 20ZICE4588M
ISO 9001:2015
CERTIFIED COMPANY

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