

Nickel

High Purity Metal

Characteristics

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

Quick Facts

| | | |
|------------------------|---|------------------------|
| Molecular Formula | : | Ni |
| Molecular Weight | : | 58.69 g/mol |
| Density | : | 8.902g/cm ³ |
| 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%

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.

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.

High Purity
Nickel
Available in:

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



202ICE4589C



19ZAZGO1274G



202ICE4588M

ISO 9001:2015
CERTIFIED COMPANY



28
Ni
58.693

www.nanoshel.com | sales@nanoshel.com

INTELLIGENT MATERIALS PVT LTD

Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED

Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

NANOSHEL LLC

3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911

