Name : Nickle

Symbol : Ni

Atomic number (Z) : 28

Atomic mass : 58.6934

Group : 10

Period : 4

block : d

Color : Gray

Phase : solid

Oxidation states : -1,1,2,3,4

Electronegativity : Pauling scale: 1.91

Melting point : 1728 K (1455 °C, 2651 °F)

Boiling point : 3003 K (2730 °C, 4946 °F)

Density at stp : 8.908 g/cm3

Triple point :

Critical point :

Heat of fusion : 17.48 kJ/mol

Heat of vaporization : 379 kJ/mol

Molar heat capacity : 26.07 J/(mol•K)

Ionization energies : 1st: 737.1 kJ/mol

Covalent radius : 124±4 pm

Van der Waals radius : 163 pm

Speed of sound : 4900 m/s (at r.t.)

Crystal structure : face-centered cubic (fcc)

Magnetic ordering : ferromagnetic

Discovery : Axel Fredrik Cronstedt (1751)