Name:Neodymium

Symbol: Nd

Atomic number(Z):60

Atomic mass:181 pm

Group:n/a

Period:6

block:f

Color:silvery white

Phase:solid

Oxidation states:+4,+3,+2

Electronegative:pauling scale:1.14

Melting point:1297k

Boiling point:3347k

Density at stp:7.01g/cm

Triple point:-02.00 k

Critical point:1.74k

Heat of fusion:7.14 kj/mol

Heat of vaporization:289 kj/mol

Molar heat capacity:27.45j/(mol.k)

Ionization energies:1st:533 kj/mol

Covalant radius:133+7 pm

Van der waals radius:306 pm

Speed of sound:23000m/s

Cristal structure: hexagonal

Magnetic ordering:paramagnatic

Discovery:1885

Named:Carl auer von Welsbach