Name:Gadoinium

Symbol:Gd

Atomic number(Z):64

Atomic mass:170pm

Group:n/a

Period:6

block:f

Color:silvery white

Phase:solid

Oxidation states:,1,2,3

Electronegative:pauling scale:1.20

Melting point:1789k

Boiling point:2373k

Density at stp:5.67g/cm

Triple point:-3.90 k

Critical point:1.3 k

Heat of fusion:10.05 kj/mol

Heat of vaporization:301.3 kj/mol

Molar heat capacity:5.66j/(mol.k)

Ionization energies:1st:54.1 kj/mol

Covalant radius:109+7 pm

Van der waals radius:159pm

Speed of sound:200m/s

Cristal structure: hexagonal close-packed

Magnetic :ferromagnetic- paramagnetic

Discovery:1880

Named:Lceoq de Boisbaudran