Name:Samarium

Symbol: Sm

Atomic number(Z):62

Atomic mass:180 pm

Group:n/a

Period:6

block:f

Color:silvery white

Phase:solid

Oxidation statesZ:4,3,2,1

Electronegative:pauling scale:1.17

Melting point:1345k

Boiling point:2173k

Density at stp:7.52g/cm

Triple point:-0.52 k

Critical point:1.22 k

Heat of fusion:8.62 kj/mol

Heat of vaporization:192 kj/mol

Molar heat capacity:29.54j/(mol.k)

Ionization energies:1st:544.5 kj/mol

Covalant radius:198+8 pm

Van der waals radius:235 pm

Speed of sound:1300m/s

Cristal structure:double:hexagonal

Magnetic ordering:paramagnatic

Discovery:1879

Named:Lecoq de Boisbaudran