Name : Tin

Symbol : Sn

Atomic number (Z) : 50

Atomic mass : 118.710

Group : 14

Period : 5

block : p

Color : Silver

Phase :solid

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

Electronegativity : Pauling scale: 1.96

Melting point : 505.08 K (231.93 °C, 449.47 °F)

Boiling point : 2875 K (2602 °C, 4716 °F)

Density at stp : 2875 K (2602 °C, 4716 °F)

Triple point :

Critical point :

Heat of fusion : white, ß: 7.03 kJ/mol

Heat of vaporization : white, ß: 296.1 kJ/mol

Molar heat capacity : white, ß: 27.112 J/(mol•K)

Ionization energies : 1st: 708.6 kJ/mol

Covalent radius : 139±4 pm

Van der Waals radius : 217 pm

Speed of sound : 2730 m/s (at r.t.) (rolled)

Crystal structure : tetragonal white (ß)

Magnetic ordering : gray: diamagnetic , ite (ß): paramagnetic

Discovery : around 3500 BC

Named by :