Name : Aluminium

Symbol : Al

Atomic number (Z) : 13

Atomic mass : 26.9815385

Group : 13

Period : 3

block : p

Color : Silver

Phase :solid

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

Electronegativity : Pauling scale: 1.61

Melting point : 933.47 K (660.32 °C, 1220.58 °F)

Boiling point : 2743 K (2470 °C, 4478 °F)

Density at stp : 2.70 g/cm3

Triple point :

Critical point :

Heat of fusion : 10.71 kJ/mol

Heat of vaporization : 284 kJ/mol

Molar heat capacity : 24.20 J/(mol•K)

Ionization energies : 1st: 577.5 kJ/mol

Covalent radius : 121±4 pm

Van der Waals radius : 184 pm

Speed of sound : (rolled) 5000 m/s (at r.t.)

Crystal structure :

Magnetic ordering : diamagnetic

Discovery :

Named by : Humphry Davy (1807)