Name : Magnesium

Symbol : Mg

Atomic number (Z) : 12

Atomic mass : 24.305

Group : 2

Period : 3

block : s

Color : Silver

Phase :solid

Oxidation states : +2,+1

Electronegativity : Pauling scale: 1.31

Melting point : 923 K (650 °C, 1202 °F)

Boiling point : 1363 K (1091 °C, 1994 °F)

Density at stp : 1.738 g/cm3

Triple point :

Critical point :

Heat of fusion : 8.48 kJ/mol

Heat of vaporization : 128 kJ/mol

Molar heat capacity : 24.869 J/(mol•K)

Ionization energies : 1st: 737.7 kJ/mol

Covalent radius : 141±7 pm

Van der Waals radius : 173 pm

Speed of sound : 4940 m/s (at r.t.) (annealed)

Crystal structure : hexagonal close-packed (hcp)

Magnetic ordering : diamagnetic

Discovery : Joseph Black (1755)

First isolation: Humphry Davy (1808)