Name : Zirconium

Symbol : Zr

Atomic number (Z) : 40

Atomic mass : 91.224

Group : 4

Period : 5

block : d

Color : Silver

Phase :solid

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

Electronegativity : Pauling scale: 1.33

Melting point : 2128 K (1855 °C, 3371 °F)

Boiling point : 4650 K (4377 °C, 7911 °F)

Density at stp : 6.52 g/cm3

Triple point :

Critical point :

Heat of fusion : 14 kJ/mol

Heat of vaporization : 591 kJ/mol

Molar heat capacity : 25.36 J/(mol•K)

Ionization energies : 1st: 640.1 kJ/mol

Covalent radius : 175±7 pm

Van der Waals radius :

Speed of sound : 3800 m/s (at 20 °C)

Crystal structure : hexagonal close-packed (hcp

Magnetic ordering : paramagnetic

Discovery : Martin Heinrich Klaproth (1789)

Named by :