Name : Rhodium

Symbol : Rh

Atomic number (Z) : 45

Atomic mass : 102.90550

Group : 9

Period : 5

block : d

Color : Silver

Phase : Solid

Oxidation states : 6, 5, 4, 3, 2, 1, -1, -3

Electronegativity : Pauling scale: 2.28

Melting point : 2237 K (1964 °C, 3567 °F)

Boiling point : 3968 K (3695 °C, 6683 °F)

Density at stp : 12.41 g/cm3

Triple point :

Critical point :

Heat of fusion : 26.59 kJ/mol

Heat of vaporization : 493 kJ/mol

Molar heat capacity : 24.98 J/(mol•K)

Ionization energies : 1st: 719.7 kJ/mol

Covalent radius : 142±7 pm

Van der Waals radius :

Speed of sound : 4700 m/s (at 20 °C)

Crystal structure : face-centered cubic (fcc)

Magnetic ordering : paramagnetic

Discovery : William Hyde Wollaston (1804)

Named by :