Name:Rhenium

Symbol:Re

Atomic number(Z):75

Atomic mass:130pm

Group:6

Period:6

block:d

Color: grayish

Phase:solid

Oxidation states:7,6,5,4,3,2,1,-1,-2,-3

Electronegative:pauling scale:1.7

Melting point:2475k

Boiling point:8764k

Density at stp:8.89g/cm

Triple point:2.0

Critical point:362 k

Heat of fusion:80.57 kj/mol

Heat of vaporization:662kj/mol

Molar heat capacity:2986 j/(mol.k)

Ionization energies:1st:987kj/mol

Covalant radius:105+8 pm

Van der waals radius:65pm

Speed of sound:1900m/s

Cristal structure:body centered cubic

Magnetic paramagnatic

Discovery:1922

Named:Otto Berg