Name:Europium

Symbol:Eu

Atomic number(Z):63

Atomic mass:180pm

Group:n/a

Period:6

block:f

Color:silvery white

Phase:solid

Oxidation states:,3,2,1

Electronegative:pauling scale:1.2

Melting point:1099k

Boiling point:1802k

Density at stp:5.264g/cm

Triple point:-01.90 k

Critical point:1.7 k

Heat of fusion:9.21 kj/mol

Heat of vaporization:176 kj/mol

Molar heat capacity:27.66j/(mol.k)

Ionization energies:1st:547.1 kj/mol

Covalant radius:198+7 pm

Van der waals radius:106 pm

Speed of sound:1200m/s

Cristal structure:double hexagonal

Magnetic ordering:paramagnatic

Discovery:1886

Named:Eugene –Anatole Demarcay