Name:Thulium

Symbol:Tm

Atomic number(Z):69

Atomic mass:176pm

Group:n/a

Period:6

block:f

Color:silvery gray

Phase:solid

Oxidation states:2,3

Electronegative:pauling scale:1.25

Melting point:1818k

Boiling point:2223k

Density at stp:9.32g/cm

Triple point:9.08k

Critical point:10.63 k

Heat of fusion:16.84 kj/mol

Heat of vaporization:980 kj/mol

Molar heat capacity:27.03 j/(mol.k)

Ionization energies:1st:596kj/mol

Covalant radius:190+10 pm

Van der waals radius:658pm

Speed of sound:2070m/s

Cristal structure:hexagonal close-packed

Magnetic paramagnatic

Discovery:1879

Named:Per Teodor Cleve