



# SCI Engineered Materials

## Rhenium (Re)

### Common Uses

Non-Vacuum Filaments

Dopant for Superalloys (TiRe)

Extreme High Temperature Applications

Catalysts



### Vapor Pressure

<i>P</i> (Pa)	1	10	100	1 k	10 k	100 k
at <i>T</i> (K)	3303	3614	4009	4500	5127	5954

Atomic Number

75

Purity

99.99%  
(4N)

Crystal Structure

Hexagonal close-packed  
(hcp)

Melting Point

3459 K  
(3186 °C, 5767 °F)

Boiling Point

5903 K  
(5630 °C, 10,170 °F)

Heat of Fusion

60.43 kJ/mol

