

PHYSICAL PROPERTIES OF LEAD

Atomic number	82
Atomic weight	207.22
Density-20°C., cast	11.35
327.4°C., solid	11.005
327.4°C., liquid	10.686
550°C., liquid	10.418
Atomic volume	18.27
Melting point, °C.	327.4
Boiling point °C., at 760 mm. pressure	1525-1620
Specific heat, per °C., cal per g.	0.030
Latent heat of fusion, cal per g.	5.47-6.26
Coef. of linear expansion (17-100°C.), per °C.	0.0000293
Thermal conductivity, cal. /cm. ² /cm. /°C. /sec.	
at room temperature	0.083
Electrical resistivity, microhm /cm.	20.65
Modulus of elasticity in tension	0.8-2.0 million

PHYSICAL PROPERTIES OF TIN

Atomic number	50
Atomic weight	118.7
Density-20°C., cast	7.29
Atomic volume	16.23
Melting point, °C.	232
Boiling point °C., at 760 mm. pressure	2260
Specific heat, per °C., cal per g.	0.054
Latent heat of fusion, cal per g.	14.4
Coef. of linear expansion (17-100°C.), per °C.	0.000023
Thermal conductivity, cal. /cm. ² /cm. /°C. /sec.	
at room temperature	0.157
Electrical resistivity, microhm /cm	11.5
Modulus of elasticity in tension	5.9-7.8 million

PHYSICAL PROPERTIES OF ZINC

Atomic number	30
Atomic weight	65.38
Density-20°C., cast	7.14
Melting point °C.	419.4
Boiling point °C., at 760 mm pressure	905
Coef. of linear expansion (17-100°C.), per °C	0.000033
Thermal conductivity, cal. /cm./Cm. /°C. /sec.	0.268
Electrical resistivity, microhm /cm	6.0
Color	Bluish White
Character	Brittle at ordinary temperatures Malleable at 100°C. (212°F.)

PHYSICAL PROPERTIES OF ANTIMONY

Atomic number	51
Atomic weight	121.76
Density	6.62
Melting point °C.	630
Boiling point °C., at 760 mm pressure	1380
Coef. of linear expansion (17-100°C.), per °C	0.0000113
Thermal conductivity, cal. /cm. ² /cm. /°C. /sec.	0.50
Electrical resistivity, microhm /am.	2.67
Color	Blue-white
Character,	Brittle