

Properties of Selected Elements

Element	Symbol	Atomic Weight	Density g/cc	Density lbs./cu.in.	Melting Point °F	Melting Point °C	Boiling Point °F	Boiling Point °C	Thermal *Conductivity	Elec.Cnd. %IACS
Aluminum	Al	26.98	2.70	0.0975	1220	660	4521	2494	0.480	64.94
Antimony	Sb	121.75	6.70	0.2420	1168	631	2889	1587	0.045	—
Arsenic	As	74.92	5.78	0.2087	1501	816	1139	615	0.115	4.9
Beryllium	Be	9.01	1.85	0.0668	2354	1290	5018	2770	0.40	—
Bismuth	Bi	208.98	9.80	0.3538	520	271	2847	1564	0.02	—
Boron	B	10.81	2.34	0.0845	4172	2300	4712	2600	0.063	—
Cadmium	Cd	112.41	8.64	0.3119	610	321	1412	767	0.22	25.00
Calcium	Ca	40.08	1.55	0.0560	1542	839	2703	1484	0.30	49.6
Chromium	Cr	52.00	7.19	0.2596	3407	1875	4856	2680	0.16	13.0
Cobalt	Co	58.93	8.90	0.3213	2723	1495	5198	2870	0.165	27.6
Copper	Cu	63.55	8.93	0.3223	1985	1085	4653	2567	0.94	103.06
Gallium	Ga	69.72	5.91	0.2133	86	30	4357	2403	0.08	—
Germanium	Ge	72.59	5.32	0.1920	1719	937	5133	2834	0.15	—
Gold	Au	196.97	19.30	0.6967	1947	1064	5175	2857	0.71	73.4
Indium	In	114.82	7.30	0.2635	315	157	3763	2073	0.057	—
Iron	Fe	55.85	7.87	0.2841	2800	1538	5198	2870	0.20	17.59
Lead	Pb	207.19	11.35	0.4097	621	327	3182	1750	0.083	8.3
Lithium	Li	6.94	0.53	0.0191	358	181	2448	1342	0.17	—
Magnesium	Mg	24.31	1.74	0.0628	1202	650	2025	1107	0.37	38.6
Manganese	Mn	54.94	7.47	0.2697	2271	1244	3803	2095	0.18	0.9
Mercury	Hg	200.59	13.55	0.4891	-38	-39	675	357	0.022	—
Molybdenum	Mo	95.94	10.22	0.3689	4730	2610	10040	5560	0.34	34.0
Nickel	Ni	58.70	8.90	0.3213	2647	1453	4946	2730	0.22	25.2
Niobium	Nb	92.91	8.57	0.3094	4474	2468	8901	4927	0.125	13.2
Selenium	Se	78.96	4.81	0.1736	423	217	1265	685	0.001	—
Silicon	Si	28.08	2.33	0.0841	2570	1410	5936	3280	0.20	—
Silver	Ag	107.87	10.50	0.3790	1764	962	3551	1955	1.0	105.0
Tellurium	Te	127.60	6.24	0.2253	842	450	1810	988	0.014	—
Tin	Sn	118.69	7.30	0.2635	450	232	5018	2770	0.155	15.6
Titanium	Ti	47.88	4.51	0.1628	3034	1668	5949	3287	0.43	—
Tungsten	W	183.85	19.25	0.6949	6170	3410	10292	5700	0.40	—
Vanadium	V	50.94	6.10	0.2202	3452	1900	6116	3380	0.074	—
Zinc	Zn	65.38	7.14	0.2577	788	420	1663	906	0.27	28.27
Zirconium	Zr	91.22	6.50	0.2346	3366	1852	6692	3700	0.052	4.1

*cal./sq. cm/cm/sec/°c