

REFERENCE SHEET: Melting Points

Metals & Pure Elements

Atomic #	Element	mp (C)	mp (F)
89	Actinium	1050 °C	1922 °F
13	Aluminum	660.32 °C	1220.58 °F
95	Americium	1176 °C	2149 °F
51	Antimony	630.63 °C	1167.13 °F
18	Argon	-189.35 °C	-308.83 °F
33	Arsenic	817 °C	1503 °F
85	Astatine	302 °C	576 °F
56	Barium	727 °C	1341 °F
97	Berkelium (beta)	986 °C	1807 °F
4	Beryllium	1278 °C	2349 °F
83	Bismuth	271.5 °C	520.7 °F
5	Boron	2076 °C	3769 °F
35	Bromine	-7.2 °C	19 °F
48	Cadmium	321.07 °C	609.93 °F
20	Calcium	842 °C	1548 °F
98	Californium	900 °C	1652 °F
6	Carbon (graphite)	>3527 °C	>6381 °F
58	Cerium	795 °C	1463 °F
55	Cesium	28.44 °C	83.19 °F
17	Chlorine	-101.5 °C	-150.7 °F
24	Chromium	1907 °C	3465 °F
27	Cobalt	1495 °C	2723 °F
29	Copper	1084.62 °C	1984.32 °F
96	Curium	1340 °C	2444 °F
66	Dysprosium	1407 °C	2565 °F
99	Einsteinium	860 °C	1580 °F
68	Erbium	1529 °C	2784 °F
63	Europium	826 °C	1519 °F
100	Fermium	1527 °C	2781 °F
9	Fluorine	-219.62 °C	-363.32 °F
87	Francium	27 °C (approx.)	80 °F (approx.)
64	Gadolinium	1312 °C	2394 °F
31	Gallium	29.7646 °C	85.5763 °F
32	Germanium	938.25 °C	1720.85 °F

Atomic #	Element	mp (C)	mp (F)
79	Gold	1064.18 °C	1947.52 °F
72	Hafnium	2233 °C	4051 °F
2	Helium (@ 2.5 MPa)	-272.20 °C	-457.96 °F
67	Holmium	1461 °C	2662 °F
1	Hydrogen	-259.14 °C	-434.45 °F
49	Indium	156.5985 °C	313.8773 °F
53	Iodine	113.7 °C	236.66 °F
77	Iridium	2466 °C	4471 °F
26	Iron	1538 °C	2800 °F
36	Krypton	-157.36 °C	-251.25 °F
57	Lanthanum	920 °C	1688 °F
82	Lead	327.46 °C	621.43 °F
3	Lithium	180.54 °C	356.97 °F
71	Lutetium	1652 °C	3006 °F
12	Magnesium	650 °C	1202 °F
25	Manganese	1246 °C	2275 °F
101	Mendelevium	827 °C	1521 °F
80	Mercury	-38.83 °C	-37.89 °F
42	Molybdenum	2623 °C	4753 °F
60	Neodymium	1024 °C	1875 °F
10	Neon	-248.59 °C	-415.46 °F
93	Neptunium	637 °C	1179 °F
28	Nickel	1453 °C	2651 °F
41	Niobium	2477 °C	4491 °F
7	Nitrogen	-210.00 °C	-346.00 °F
76	Osmium	3033 °C	5491 °F
8	Oxygen	-218.79 °C	-361.82 °F
46	Palladium	1554.9 °C	2830.82 °F
15	Phosphorus (white)	44.2 °C	111.6 °F
78	Platinum	1768.3 °C	3214.9 °F
94	Plutonium	639.4 °C	1182.9 °F
84	Polonium	254 °C	489 °F
19	Potassium	63.38 °C	146.08 °F
59	Praseodymium	935 °C	1715 °F
61	Promethium	1042 °C	1908 °F
91	Protactinium	1568 °C	2854 °F
88	Radium	700 °C	1292 °F
86	Radon	-71.15 °C	-96 °F
75	Rhenium	3186 °C	5767 °F
45	Rhodium	1964 °C	3567 °F
37	Rubidium	39.31 °C	102.76 °F
44	Ruthenium	2334 °C	4233 °F

Atomic #	Element	mp (C)	mp (F)
62	Samarium	1072 °C	1962 °F
21	Scandium	1541 °C	2806 °F
34	Selenium	221 °C	430 °F
14	Silicon	1414 °C	2577 °F
47	Silver	961.78 °C	1763.2 °F
11	Sodium	97.72 °C	207.9 °F
38	Strontium	777 °C	1431 °F
16	Sulfur	115.21 °C	239.38 °F
73	Tantalum	3017 °C	5463 °F
43	Technetium	2157 °C	3915 °F
52	Tellurium	449.51 °C	841.12 °F
65	Terbium	1356 °C	2473 °F
81	Thallium	304 °C	579 °F
90	Thorium	1842 °C	3348 °F
69	Thulium	1545 °C	2813 °F
50	Tin	231.93 °C	449.47 °F
22	Titanium	1668 °C	3034 °F
74	Tungsten	3422 °C	6192 °F
92	Uranium	1132.3 °C	2070 °F
23	Vanadium	1910 °C	3470 °F
54	Xenon (@ 101.325 kPa)	-111.7 °C	-169.1 °F
70	Ytterbium	824 °C	1515 °F
39	Yttrium	1526 °C	2779 °F
30	Zinc	419.53 °C	787.15 °F
40	Zirconium	1855 °C	3371 °F

Alloys

Name	mp (C)	mp (F)
Aluminum-Cadmium Alloy	1377 °C	2511 °F
Aluminum-Calcium Alloy	545 °C	1013 °F
Aluminum-Cerium Alloy	655 °C	1211 °F
Aluminum-Copper Alloy	548 °C	1018 °F
Aluminum-Germanium Alloy	427 °C	801 °F
Aluminum-Gold Alloy	569 °C	1056 °F
Aluminum-Indium Alloy	637 °C	1179 °F
Aluminum-Iron Alloy	1153 °C	2107 °F
Aluminum-Magnesium Alloy	437 °C	819 °F
Aluminum-Nickel Alloy	1385 °C	2525 °F
Aluminum-Platinum Alloy	1260 °C	2300 °F
Aluminum-Silicon Alloy	577 °C	1071 °F

Name	mp (C)	mp (F)
Aluminum-Zinc Alloy	382 °C	720 °F
Amalgam	178-278 °C	352.4-532.4 °F
Arsenic-Antimony Alloy	605 °C	1121 °F
Arsenic-Cobalt Alloy	916 °C	1681 °F
Arsenic-Copper Alloy	685 °C	1265 °F
Arsenic-Indium Alloy	731 °C	1348 °F
Arsenic-Iron Alloy	1103 °C	2017 °F
Arsenic-Manganese Alloy	870 °C	1598 °F
Arsenic-Nickel Alloy	804 °C	1479 °F
Arsenic-Tin Alloy	579 °C	1074 °F
Arsenic-Zinc Alloy	723 °C	1333 °F
Babbitt Metal	433-466 °C	811.4-870.8 °F
Beryllium-Copper Alloy	865 - 955 °C	1587 - 1750 °F
Brass	930 °C	1710 °F
Brass, Admiralty	900 - 940 °C	1650 - 1720 °F
Brass, Yellow	905 - 932 °C	1660 - 1710 °F
Bronze, Aluminum	600 - 655 °C	1190 - 1215 °F
Bronze, Manganese	865 - 890 °C	1590 - 1630 °F
Copper Nickel	1060-1240 °C	1940-2264 °F
Field's Metal	62 °C	144 °F
Gold-Antimony Alloy	360 °C	680 °F
Gold-Bismuth Alloy	241 °C	466 °F
Gold-Cadmium Alloy	500 °C	932 °F
Gold-Cerium Alloy	520 °C	968 °F
Gold-Germanium Alloy	356 °C	673 °F
Gold-Lanthanum Alloy	561 °C	1042 °F
Gold-Lead Alloy	215 °C	419 °F
Gold-Magnesium Alloy	575 °C	1067 °F
Gold-Manganese Alloy	960 °C	1760 °F
Gold-Silicon Alloy	363 °C	685 °F
Gold-Sodium Alloy	876 °C	1609 °F
Gold-Tellurium Alloy	416 °C	781 °F
Gold-Thallium Alloy	131 °C	268 °F
Gold-Tin Alloy	278 °C	532 °F
Hastelloy C-276	1323-1371 °C	2415-2500 °F
Incoloy	1390 - 1425 °C	2540 - 2600 °F
Inconel	1390 - 1425 °C	2540 - 2600 °F
Invar	1427 °C	2600 °F
Iron, Cast	1204 °C	2200 °F
Iron, Cast (Gray)	1175 - 1290 °C	2150 - 2360 °F
Iron, Ductile	1,150 - 1,200 °C	2,100 - 2,190 °F
Iron, Wrought	1482 °C	2700 °F

Name	mp (C)	mp (F)
Iron-Antimony Alloy	748 °C	1378 °F
Iron-Gadolinium Alloy	850 °C	1562 °F
Iron-Molybdenum Alloy	1452 °C	2646 °F
Iron-Niobium Alloy	1370 °C	2498 °F
Iron-Silicon Alloy	1202 °C	2196 °F
Iron-Tin Alloy	1127 °C	2061 °F
Iron-Yttrium Alloy	900 °C	1652 °F
Iron-Zirconium Alloy	1327 °C	2421 °F
Kovar	1449 °C	2640 °F
Lead-Antimony Alloy	247 °C	477 °F
Lead-Platinum Alloy	290 °C	554 °F
Lead-Praseodymium Alloy	1042 °C	1908 °F
Lead-Tellurium Alloy	407 °C	765 °F
Lead-Tin Alloy	187 °C	369 °F
Lead-Titanium Alloy	725 °C	1337 °F
Magnesium AZ31B	~650 °C	~1200 °F
Magnesium-Antimony Alloy	582 °C	1080 °F
Magnesium-Nickel Alloy	507 °C	945 °F
Magnesium-Praseodymium Alloy	585 °C	1085 °F
Magnesium-Silicon Alloy	950 °C	1742 °F
Magnesium-Strontium Alloy	426 °C	799 °F
Magnesium-Zinc Alloy	342 °C	648 °F
Molybdenum-Nickel Alloy	1317 °C	2403 °F
Molybdenum-Niobium Alloy	2297 °C	4167 °F
Molybdenum-Osmium Alloy	2377 °C	4311 °F
Molybdenum-Rhenium Alloy	2507 °C	4545 °F
Molybdenum-Ruthenium Alloy	1927 °C	3501 °F
Molybdenum-Silicon Alloy	2077 °C	3771 °F
Monel	1300 - 1350 °C	2370 - 2460 °F
Nickel-Antimony Alloy	1102 °C	2016 °F
Nickel-Tin Alloy	1130 °C	2066 °F
Nickel-Titanium Alloy	1117 °C	2043 °F
Nickel-Tungsten Alloy	1500 °C	2732 °F
Nickel-Vanadium Alloy	1200 °C	2192 °F
Nickel-Zinc Alloy	875 °C	1607 °F
Nitinol	1300 °C	2370 °F
Pewter	240 °C	464 °F
Red Brass	990 - 1025 °C	1810 - 1880 °F
Rose's Metal	98 °C	208 °F
Silver-Aluminum Alloy	562 °C	1044 °F
Silver-Antimony Alloy	485 °C	905 °F
Silver-Arsenic Alloy	540 °C	1004 °F

Name	mp (C)	mp (F)
Silver-Calcium Alloy	547 °C	1017 °F
Silver-Cerium Alloy	525 °C	977 °F
Silver-Copper Alloy	777 °C	1431 °F
Silver-Germanium Alloy	651 °C	1204 °F
Silver-Lanthanum Alloy	518 °C	964 °F
Silver-Lead Alloy	304 °C	579 °F
Silver-Lithium Alloy	145 °C	293 °F
Silver-Magnesium Alloy	472 °C	882 °F
Silver-Palladium Alloy	651 °C	1204 °F
Silver-Silicon Alloy	837 °C	1539 °F
Silver-Strontium Alloy	436 °C	817 °F
Silver-Tellurium Alloy	350 °C	662 °F
Silver-Zirconium Alloy	827 °C	1521 °F
Steel, Carbon	1425 - 1540 °C	2600 - 2800 °F
Steel, Maraging	1413 °C	2575 °F
Steel, Stainless	1510 °C	2750 °F
Stellite	315 – 600 °C	600 – 1112 °F
Sterling Silver	893 °C	1640 °F
Ti-6Al-4V	1604 - 1660 °C	2920 - 3020 °F
Wood's Metal	70 °C	158 °F

Chemicals & Substances

Name	mp (C)	mp (F)
2-propanol	-89.5 °C	-129.1 °F
Acetic acid	16.77 °C	62.6 °F
Acetone	-94 °C	-137.2 °F
Agar	85 °C	185 °F
Alcohol, ethyl (ethanol)	-114.38 °C	-173.9 °F
Alcohol, methyl (methanol)	-97.5 °C	-143.5 °F
Ammonium	-77.65 °C	-107.77 °F
Ammonium Nitrate	169.7 °C	337.46 °F
Beeswax	64 °C	140 °F
Benzene	5.72 °C	42.3 °F
Boric Acid	170.88 °C	339.6 °F
Canola Oil	-10 °C	14 °F
Carbon Dioxide	-56.6 °C	-69.9 °F
Carbon Monoxide	-120.6 °C	-185.08 °F
Carbonic Acid	210 °C	410 °F

Name	mp (C)	mp (F)
Chloroform	-63.4 °C	-82.12 °F
Citric Acid	153 °C	307.4 °F
Dextrose	146 °C	294.8 °F
Ethlyne	-169.22 °C	-272.6 °F
Ethylene Dichloride	-35.5 °C	-31.9 °F
Ethylene Glycol	-12.8 °C	8.96 °F
Fructose	103 °C	217.4 °F
Glucose	146 °C	294.8 °F
Glycerine	17.77 °C	64 °F
Hexane	-95 °C	-139 °F
Hydrochloric Acid	-26 °C	-14.8 °F
Hydrofluoric Acid	-83.55 °C	-118.4 °F
Hydrogen Peroxide	-0.42 °C	31.23 °F
Isopropyl Alcohol	-89 °C	-128.2 °F
Kerosene	24-25 °C	75.2-77 °F
Lauric Acid	44 °C	111.2 °F
Methanol	-97.61 °C	-143.7 °F
Nitric Acid	-42 °C	-43.6 °F
Palmitic Acid	63 °C	145.4 °F
Paraffin	65.6 °C	150 °F
Phosphoric Acid	42.3 °C	108.2 °F
Polystyrene	240 °C	464 °F
Polyvinyl Chloride	100-260 °C	212-500 °F
Propane	-188 °C	-306.4 °F
Propylene	-185.11 °C	-301.2 °F
Propylene glycol	-60 °C	-76 °F
Silica (silicon dioxide)	1710 °C	3110 °F
Sodium Chloride	801 °C	1474 °F
Sodium Hydroxide	323 °C	613.4 °F
Sodium Hypochlorite	18 °C	64.4 °F
Stearic Acid	71.2 °C	160.2 °F
Sucrose	186 °C	366.8 °F
Sulfuric Acid	10.31 °C	50.558 °F
Toluene	-95 °C	-139 °F
Water, Fresh	0 °C	32 °F
Water, Sea	-2.38 °C	27.7 °F