

Technical Specifications

Specific Gravity, Melting Point, and Density of Various Metals and Alloys					
<u>Metal</u>	<u>Chemical Abbreviation</u>	<u>°F</u>	<u>°C</u>	<u>Specific Gravity</u>	<u>Weight in Troy Ounces per Cubic Inch</u>
Aluminum	Al	1220	660	2.70	1.423
Antimony	Sb	1167	630	6.62	3.488
Beryllium	Be	2340	1282	1.82	.959
Bismuth	Bi	520	271	9.80	5.163
Cadmium	Cd	610	321	8.65	4.557
Carbon	C	=	=	2.22	1.170
Chromium	Ch	3430	1888	7.19	3.788
Cobalt	Co	2723	1495	8.85	4.689
Copper	Cu	1981	1083	8.96	4.719
Gold	Au	1945	1063	19.32	10.180
Iridium	Ir	4449	2454	22.50	11.849
Iron (pure)	Fe	2802	1539	7.87	4.145
Lead	Pb	621	328	11.34	5.973
Magnesium	Mg	1202	650	1.74	.917
Manganese	Mn	2273	1245	7.43	3.914
Molybdenum	Mo	4760	2625	10.20	5.347
Nickel	Ni	2651	1455	8.90	4.691
Osmium	Os	4892	2700	22.50	11.854
Palladium	Pd	2831	1555	12.0	6.322
Phosphorus	Ph	111	44	1.82	.959
Platinum	Pt	3224	1773	21.45	11.301
15% Iridio Platinum		3310	1821	21.59	11.373
10% Iridio Platinum		3250	1788	21.54	11.349
5% Iridio Platinum		3235	1779	21.50	11.325

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Rhodium	Rh	3571	1967	12.44	6.553
Ruthenium	Ru	4500	2500	12.20	6.428
Silicon	Si	2605	1430	2.33	1.247
Silver	Ag	1761	961	10.49	5.527
Sterling Silver		1640	893	10.36	5.457
Coin Silver		1615	879	10.31	5.430
Tin	Sn	450	232	7.30	3.846
Zinc	Zn	787	419	7.13	3.758

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