



CENTORR FURNACES

Route 28

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DENSITY AND VAPOR PRESSURE OF COMMON ELEMENTS

Element	Symb.	At. No.	Dens. (S.G.)	At. Wt.	Melt. Pt.	Temp. °C at which Vapor Pressures are:						
						.001mm	.01mm	0.1mm	1.0mm	10mm	100mm	760mm
Aluminum	Al	13	2.7	27.0	660	889	996	1123	1279	1487	1749	2327
Antimony	Sb	51	6.7	121.8	630	595	678	779	904	1033	1223	1617
Arsenic	As	33	5.7	74.9	817	237	277	317	362	437	517	613
Barium	Ba	56	3.5	137.4	717	625	721	840	961	1049	1301	1613
Beryllium	Be	4	1.9	9.0	1284	1029	1212	1367	1567	1787	2097	2507
Bismuth	Bi	83	9.8	209.0	271	609	698	802	934	1136	1271	1627
Boron	B	5	2.3	10.8	2300	1239	1355	1489	1648	3030	3460	2527
Cadmium	Cd	48	8.6	112.4	321	220	264	321	394	484	611	765
Calcium	Ca	20	1.5	40.1	810	528	605	700	817	983	1207	1482
Carbon	C	6	2.0	12.0	3700	2471	2681	2926	3214	3946	4373	4552
Cerium	Ce	58	6.9	140.1	640	1190	1305	1439	1599	1708	2018	2527
Cesium	Cs	55	1.9	132.9	29	110	153	207	277	387	515	690
Chromium	Cr	24	6.9	52.0	1900	1090	1205	1342	1504			2222
Cobalt	Co	27	8.9	58.9	1478	1494	1649	1833	2056	2380	2720	3097
Copper	Cu	29	8.9	63.5	1083	1141	1273	1432	1628	1879	2207	2595
Gallium	Ga	31	5.9	69.7	30	965	1093	1248	1443	1541	1784	2427
Germanium	Ge	32	5.3	72.6	959	1112	1251	1421	1635	1880	2210	2707
Gold	Au	79	19.3	197.0	1063	1316	1465	1646	1867	2154	2521	2966
Indium	In	49	7.4	114.8	157	840	952	1088	1260	1466	1756	2167
Iodine	I	53	4.9	126.9	114	-31	-11	12	39	72	115	183
Iridium	Ir	77	22.4	192.2	2454	2340	2556	2811	3118			4527
Iron	Fe	26	7.9	55.9	1535	1310	1447	1602	1783	2039	2360	2727
Lanthanum	La	57	6.2	138.9	826	1242	1381	1549	1754	1998	2330	2727
Lead	Pb	82	11.3	207.2	328	625	718	832	975	1167	1417	1737
Lithium	Li	3	0.5	6.9	179	439	514	607	725	890	1084	1367
Magnesium	Mg	12	1.7	24.3	651	383	443	15	605	702	909	1126
Manganese	Mn	25	7.2	54.9	1244	878	980	1103	1251	1505	1792	2097
Mercury	Hg	80	13.5	200.6	-40	18	48	82	126	184	216	361
Molybdenum	Mo	42	10.2	96.0	2622	2295	2533	2880	3102	3535	4109	4804
Neodymium	Nd	60	6.9	144.3	840	1192	1342	1537	1775	2095	2530	3090
Nickel	Ni	28	8.9	58.7	1455	1371	1510	1679	1884	2007	2364	2837
Osmium	Os	76	22.5	190.2	2697	2451	2667	2920	3221	3946	4380	4627
Palladium	Pd	46	12.0	106.4	1555	1405	1566	1759	2000	2280	2780	3167
Phosphorus	P	15	1.8	31.0	597	160	190	225	265	310	370	431
Platinum	Pt	78	21.5	195.	1774	1904	2090	2313	2582	3146	3714	3827
Potassium	K	19	.9	39.1	64	161	207	265	338	443	581	779
Rhenium	Re	75	20.5	186.2	3180	2790	3060	3400	3810			5630
Rhodium	Rh	45	12.1	102.9	1967	1971	2149	2358	2607	2880	3392	3877
Rubidium	Rb	37	1.5	85.5	39	123	165	217	283	387	519	679
Ruthenium	Ru	44	8.6	101.1	2427	2230	2431	2666	2946			4227
Scandium	Sc	21	2.5	45.0	1200	1282	1423	1595	1804			2727
Selenium	Se	34	4.3	79.0	217	200	235	280	350	430	550	685
Silicon	Si	14	2.4	28.1	1410	1223	1343	1585	1670	1888	2083	2477
Silver	Ag	47	10.5	107.9	961	936	1047	1184	1353	1575	1865	2212
Sodium	Na	11	0.9	23.0	98	238	291	356	437	548	696	914
Strontium	Sr	38	2.6	87.6	771	475	549	639	750	898	1111	1384
Sulfur	S	16	2.1	32.1	119	66	97	135	183	246	333	444
Tantalum	Ta	73	16.6	180.9	2996	2820	3074	3370	3740			6027
Tellurium	Te	52	6.2	127.6	450	336	383	438	520	633	792	990
Thallium	Tl	81	11.9	204.4	304	527	606	702	821	983	1196	1457
Thorium	Th	90	11.2	232.0	1827	1999	2196	2431	2715			4227
Tin	Sn	50	5.7	118.7	232	1042	1189	1373	1609	1703	1968	2727
Titanium	Ti	22	4.5	47.9	1820	1384	1546	1742	1965	2180	2480	3127
Uranium	U	92	18.7	238.1	1132	1730	1898	2098	2338			3527
Vanadium	V	23	5.9	51.0	1697	1725	1888	2079	2207	2570	2950	3527
Yttrium	Y	39	5.5	88.9	1477	1494	1649	1833	2056	2202	2539	3227
Zinc	Zn	30	7.1	65.4	419	292	343	405	487	590	700	907
Zirconium	Zr	40	6.4	91.2	2127	1818	2001	2212	2459			3577