

## Technical Data

### Properties of Solids

Substance	Specific Heat	lbs/cuft	lbs/gal	Heat of Vaporization	Boiling Point (F)
ABS	0.4	62	52	0	62
Aluminum	0.226	168.5	167.4	1219	168.5
Antimony	0.052	423	25	1166	423
Asphalt	0.4	81	40	250	81
asphalt	0.23	165	138	1216	165
Barium	0.068	218.4	0	2080	218.4
Beeswax	0	60	75	144	60
Beryllium	0.425	112.3	572	2462	112.3
Bismuth	0.031	612	23	520	612
Boron	0.309	144	0	4172	144
Brass-Red	0.1	546	0	1877	546
Brass-Yellow	0.1	525	0	1832	525
Brick,Masonry	0.22	144	0	0	144
Bronze-75%Cu,25%Sn	0.104	550	75	1832	550
Cadmium	0.0552	540	23	610	540
Calcium	0.149	96.7	140	1490	96.7
Calcium Chloride	0.17	157	72	1422	157
Carbon	0.204	140	0	0	140
Cement,Portland Loose	0.19	94	0	0	94
Chalk	0.214	120	0	0	120
Chromium	0.111	432	126	3209	432
Clay	0.22	115	0	0	115
Coal	0.3	90	0	0	90
Coal Tar	0.4	78	0	0	78
Cobalt	0.099	554	115.2	2696	554
Coke	0.265	62	0	0	62
Concrete	0.156	175	0	0	175
Concrete(Crushed)	0.16	140	0	0	140
Copper	0.1	550	75	1832	550
Cork	0.5	13.5	0	0	13.5
Cotton- Flax,Hemp	0.31	92.4	0	0	92.4
Delrin	0.35	88.1	0	0	88.1
Firebrick, Fireclay	0.243	140	0	2900	140
Firebrick, Silica	0.258	150	0	3000	150
Glass	0.2	170	0	2200	170

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Gold	0.032	1206	29	1945	1206
Granite	0.192	165	0	0	165
Graphite	0.2	130	0	0	130
Ice	0.504	56	144	32	56
Incoloy 800	0.13	501	0	2500	501
Inconel 600	0.126	525	0	2500	525
Invar 36%Ni	0.126	506	0	2600	506
Iron,Cast	0.13	474	0	2300	474
Iron,Wrought	0.12	480	0	2800	480
Lead,Solid	0.031	710	10	621	710
Limestone	0.22	125	0	0	125
Lithium	0.79	367	59	367	367
Magnesia 85%	0.222	19	0	0	19
Magnesium	0.25	109	160	1202	109
Manganese	0.115	463	116	2268	463
Marble	0.21	165	0	0	165
Mercury	0.033	844	5	-38	844
Mgo, Compacted	0.209	194	0	0	194
Mica	0.21	165	0	0	165
Molybdenum	0.071	638	126	4750	638
Monel 400	0.11	551	0	2400	551
Nichrome	0.11	522	0	2550	522
Nickel	0.12	550	0	2642	550
Nickel Silver 18%	0.095	543	0	1931	543
Palladium	0.062	747	0	2830	747
Paper	0.45	58	0	0	58
Paraffin	0.7	56	63	133	56
Pitch,Hard	0.5	83	0	300	83
Platinum	0.035	1339	49	3225	1339
Porcelain	0.26	196	0	3326	196
Potassium	0.058	750	26.2	146	750
Potassium Chloride	0.17	124	0	1454	124
Potassium Nitrate	0.26	132	0	633	132
Quartz	0.17	138	0	3149	138
Rhodium	0.059	776	0	3570	776
Rosin	0.5	68	0	179	68
Rubber	0.5	68	0	179	68
Rubber, Isoprene	0.48	58	0	0	58
Rubber, Silicone	0.45	78	0	0	78

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Rubber, Synthetic	0.4	58	0	0	58
Rubber, Vinyl	0.5	80	0	0	80
Sand	0.19	90	0	0	90
Selenium	0.077	301	0	0	301
Silicon	0.181	151	0	0	151
Silver	0.057	655	38	1761	655
Solder 50/50	0.04	580	17	415	580
Steatite	0.2	162	0	0	162
Steel,Mild	0.122	490	0	2760	490
Steel,Stainless 304	0.12	494	0	2550	494
Steel,Stainless 430	0.12	475	0	2650	475
Sugar	0.3	105	320	320	105
Sulfur	0.203	125	17	230	125
Tallow	0	60	0	90	60
Tantalum	0.035	1037	0	5425	1037
Tin	0.06	456	25	450	456
Titanium	0.13	283	0	3035	283
Tungsten	0.04	1204	79	6170	1204
TypeMetal 85/15	0.04	670	14	500	670
Uranium	0.028	1170	0	3075	1170
Wood,Oak	0.57	50	0	0	50
Wood,Pine	0.67	34	0	0	34
Zinc	0.095	445	51	787	445
Zirconium	0.067	404	108	3350	404