SPECIFIC HEATS — SOLIDS

MATERIAL	AVERAGE SPECIFIC HEAT BTU/LB- °F	HEAT OF FUSION BTU PER LB.	MELTING POINT DEG. F	MELTING POINT DEG. C	WEIGHT IN POUNDS PER CUBIC FT.	WEIGHT IN POUNDS PER CUBIC IN.	WEIGHT IN KILOGRAMS PER CU.M.
Aluminum	0.23	138	1216	658	160	0.093	2563
Antimony	0.052	25	1166	630	423	0.245	6776
Asphalt	0.4	40	250	121	65	0.038	1041
Beeswax	—	75	144	62	60	0.035	961
Bismuth	0.031	23	520	271	610	0.353	9772
Brass — Low	0.1	—	1832	1000	525	0.304	8411
Brass — Red	0.1	—	1877	1025	546	0.316	8746
Brickwork, Masonry	0.22	—	—	—	140	0.081	2242
Bronze	0.104	75	1832	1000	550	0.318	8811
Carbon	0.203	—	—	—	558		
Copper	0.1	75	1981	1083	165	0.323	8939
Glass	0.2	—	2200	1204	130	0.096	2643
Graphite	0.2	—	—	—	450	0.075	2083
Iron — cast	0.13	—	2300	1260	480	0.26	7209
Iron — wrought	0.12	—	2800	1538	710	0.278	7690
Lead-solid	0.031	10	621	327	—	0.41	11374
Lead-melted	0.04	—	—	—	108.6	—	—
Magnesium	0.25	160	1202	650	550	0.0628	1740
Nickel	0.11	—	2642	1450	543	0.319	8811
Nickel Silver 18%	0.095	—	1931	1055	58	0.314	8699
Paper	0.45	—	—	—	56	0.0336	929
Paraffin	0.7	63	133	56	196	0.0324	897
Porcelain	0.26	—	3326	1830	83	0.114	3140
Pitch — Hard	0.5	—	300	149	95	0.048	133
Rubber	0.4	—	—	—	67.5	0.055	1522
Rosin	0.5	—	179	82	655	0.0341	1081
Silver	0.057	38	1761	961	580	0.38	10493
Solder 50/50	0.04	17	415	213	490	0.336	9292
Steel	0.12	—	2550	1399	105	0.284	7850
Sugar	0.3	—	320	160	—	0.061	1682
Sulfur	0.203	17	230	110	125	0.073	2003
Tallow	—	—	90	32	60	0.035	961
Tin — solid	0.056	25	450	232	455	0.263	7289
Tin — melted	0.064	—	—	—	—	—	—
Type metal, 85 lead 15 antimony	0.04	—	500	260	670	0.388	10733
Wood - Pine	0.67	—	—	—	34	0.0197	545
Wood - Oak	0.57	—	—	—	50	0.029	801
Zinc	0.095	51	787	419	445	0.258	7129