

Common Specific Heats

Substance	c in J/gm K	c in cal/gm K or Btu/lb F	Molar C J/mol K	Density g/mL
Aluminum	0.900	0.215	24.3	2.7
Bismuth	0.123	0.0294	25.7	
Copper	0.386	0.0923	24.5	8.3
Brass	0.380	0.092	...	8.5
Iron	.340			7.8
Gold	0.126	0.0301	25.6	19.3
Lead	0.128	0.0305	26.4	11.7
Silver	0.233	0.0558	24.9	10.49
Tungsten	0.134	0.0321	24.8	19.6
Zinc	0.387	0.0925	25.2	7.1
Mercury	0.140	0.033	28.3	13.8
Alcohol(ethyl)	2.4	0.58	111	.785
Water	4.186	1.00	75.2	1
Ice (-10 C)	2.05	0.49	36.9	.919
Granite	.790	0.19	...	2.69
Glass	.84	0.20	...	2.57