

Substance	Specific Heat	Melting Point	Boiling Point	Latent Heat of Fusion	Latent Heat of Vaporization
Unit	J/kg·°C	°C	°C	J/kg	J/kg
Aluminum	900	660	2467	396000	1050000
Ammonia	4710	-78	-33	332000	1370000
Copper	390	1083	2567	205000	4790000
Ethyl Alcohol	2430	-117	79	109000	855000
Iron	450	1535	2750	267000	6290000
Lead	130	328	1740	25000	866000
Mercury	140	-39	357	11000	295000
Platinum	130	1772	3827	101000	229000
Silver	240	962	2212	105000	2370000
Tungsten	130	3410	5660	192000	4350000
Water (Ice)	2050	0	n/a	333000	n/a
Water (Liquid)	4186	n/a	100	n/a	2260000
Water (steam)	2010	n/a	n/a	n/a	n/a
Zinc	390	420	907	1770000	1770000

	Coefficient 1 / °C or °C ⁻¹	Temperature range °C
Aluminium	23.8 x 10 ⁻⁶	20-100
brass	19.3 x 10 ⁻⁶	0-100
concrete	10.0 x 10 ⁻⁶	10-50
copper	16.8 x 10 ⁻⁶	25-100
glass, crown	8.97 x 10 ⁻⁶	0-100
glass, pyrex	3.3 x 10 ⁻⁶	20-300
gold	14.3 x 10 ⁻⁶	16-100
ice	50.7 x 10 ⁻⁶	-10-0
iron	12.10 x 10 ⁻⁶	40
invar	0.9 x 10 ⁻⁶	20
lead	29.4 x 10 ⁻⁶	18-100
magnesium	26.08 x 10 ⁻⁶	18-100
platinum	8.99 x 10 ⁻⁶	40
rubber, hard	80 x 10 ⁻⁶	20-60
steel	10.05 x 10 ⁻⁶	0-100
quartz, fused	0.546 x 10 ⁻⁶	0-800
silver	18.8 x 10 ⁻⁶	20
tin	26.92 x 10 ⁻⁶	18-100
zinc	26.28 x 10 ⁻⁶	10-100