

Calorimetry and Specific Heat Capacity Lab Samples

Specific Heat Capacities of Common Substances

Solids	Specific heat
Material	J/kg K
aluminum	897
beryllium	1,830
brass	380
cadmium	230
copper	387
germanium	322
glass	837
gold	129
graphite	714
human body	3,500
ice	2,090
iron	452
lead	128
marble	860
silicon	703
silver	235
steel	452
tungsten	132
wood	1,700

Liquids	Specific heat
Material	J/kg K
alcohol	2,400
benzene	1,740
ethanol	2,438
glycerin	2,410
mercury	139
methane	2,200
water	4,186

Gases	Specific heat
Material	J/kg K
steam	2,010