

## Characteristic Properties of Common Substances

Substance	State of Matter	Density (g/cm <sup>3</sup> )	Specific Heat (J/g°C)	Melting Point (°C)	Boiling Point (°C)
Aluminum	Solid	2.6984	0.897	660.32	2519
Benzene	Liquid	0.879	1.74	5.49	80.09
Brass	Solid	8.875 <sup>a</sup>	0.380	1040	
Bromine	Liquid	3.119	0.226	-7.2	58.8
Copper	Solid	8.92	0.385	1084.62	2562
Ethanol	Liquid	0.789	2.44	-114.14	78.29
Gold	Solid	19.3	0.129	1064.18	2856
Graphite	Solid	2.2	0.709	4489 <sup>c</sup>	3825 <sup>d</sup>
Iodine	Solid	4.660	0.145	113.7	184.4
Iron	Solid	7.86	0.449	1538	2861
Isopropyl (Rubbing) Alcohol	Liquid	0.785	2.61	-87.9	82.3
Lead	Solid	11.34	0.129	327.46	1749
Magnesium	Solid	1.74	1.023	650	1090
Manganese	Solid	7.30	0.479	1246	2061
Maple	Solid	0.62-0.75			
Mercury	Liquid	13.5336	0.140	-38.837 <sup>c</sup>	356.73
Methanol	Liquid	0.7914	2.53	-97.6	64.6
Nickel	Solid	8.90	0.444	1455	2913
Oak	Solid	0.60-0.90			
(White) Pine	Solid	0.35-0.50			
Polyvinyl Chloride (PVC)	Solid	1.39-1.42			
Silicon	Solid	2.3290	0.705	1414	3265
Silver	Solid	10.50	0.235	961.78	2162
Stainless Steel	Solid	7.75		1510	
Tin	Solid	7.28 <sup>b</sup>	0.228	231.93	2602
Titanium	Solid	4.507	0.523	1668	3287
Tungsten	Solid	19.35	0.132	3422	5555
Zinc	Solid	7.14	0.338	419.53	907

<sup>a</sup>– average value      <sup>b</sup>– white      <sup>c</sup>– triple point      <sup>d</sup>–sublimation point

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