Substance	Density $\frac{\rho}{\frac{kg}{m^3}}$	Linear expansion coefficient $\frac{\alpha}{10^{-6}\,\frac{1}{°C}}$	Modulus of elasticity, Young's modulus $\frac{E}{10^9\ Pa}$	Shear modulus, modulus of rigidity $\frac{G}{10^9\ Pa}$	Specific heat capacity $\frac{c_p}{\frac{J}{kg°C}}$	Thermal conductivity $\frac{\lambda}{\frac{W}{m°C}}$	Melting point $\frac{t_s}{°C}$	Latent heat of fusion $\frac{s}{\frac{kJ}{kg}}$	Bulk modulus, modulus of compression $\frac{K}{10^9\ Pa}$	Resistivity at +20 °C $\frac{\rho_R}{10^{-9}\ \Omega m}$	Temperature coefficient of resistivity $\frac{\alpha_R}{10^{-3}\,\frac{1}{°C}}$
Aluminium	2700	23	70	25	909	217	660	687	70	27,2	4,0
Brass	8400	20	90	35	394	116			59	50	1,8
Copper	8930	17	120	46	389	393	1083	209	120	17,2	3,9
Invar	8100	0,8	145		502	16,2	1450			100	2,0
Silver	10500	19	80	29	230	400	960			15,8	4,0
Steel (Iron)	7830	12	210	85	473	58			160		
Zinc	7130	26	43	16	385	113	419	112		59,5	4,2
Glass		3,2	60		833						
Ice (0 °C)	920	0,9			2090	2,2	0	333			

Liquid	Molar mass $\frac{M}{10^{-3}\,\frac{kg}{mol}}$	Density at +20 °C $\frac{\rho}{\frac{kg}{m^3}}$	Volumic expansion coefficient $\frac{\gamma}{10^{-3}\,\frac{1}{°C}}$	Specific heat capacity 0 ... 100 °C $\frac{c_p}{\frac{kJ}{kg°C}}$	Melting point $\frac{t_s}{°C}$	Latent heat of fusion $\frac{s}{\frac{kJ}{kg}}$	Normal boiling point $\frac{t_r}{°C}$	Latent heat of vapourization $\frac{r}{\frac{kJ}{kg}}$	Viscosity at +20 °C $\frac{\eta}{10^{-3}\,\frac{kg}{m\cdot s}}$	Surface tension at +20 °C $\frac{\sigma}{10^{-3}\,\frac{N}{m}}$	Modulus of compressiom $\frac{K}{10^9\ Pa}$
Benzene	78	871	1,2	1,76	+5,5	127	80,1	396	0,65	28,9	1,05
Carbon disulphide	76	1260	1,14	1,00	–112	74,1	46,3	356	0,37	32,3	
Ethanol	46	790	1,1	2,47	–115	105	78,3	854	1,20	22,3	1,1
Glycerol	92	1260	0,49	2,43	+18,0	199	290		1400	64	
Mercury	201	13550	0,182	0,140	–38,9	11,7	357	293	1,15	480	27
Water	18	998		4,19	0,0	333	100,0	2260	1,00	73	2,1

Gas		Molar mass M / $10^{-3}\ \frac{kg}{mol}$	Density at NTP ρ_0 / $\frac{kg}{m^3}$	Boiling point (normal) t_r / °C	Latent heat of vapourization (normal) r / $\frac{kJ}{kg}$	Critical temperature t_{kr} / °C	Critical pressure p_{kr} / bar	Specific heat capacity at 0 °C c_p / $\frac{kJ}{kg°C}$	Ratio of the specific heat capacities γ
Air	(mixture)	29	1,293	–194	197	–141	37,7	1,001	1,40
Acetylene	C_2H_2	26	1,171	–84 [1]	829 [1]	+35,7	62,4	1,64	1,23
Ammonia	NH_3	17	0,771	–33,4	1369	+132	113	2,06	1,32
Carbon dioxide	CO_2	44	1,977	–74 [1]	574 [1]	+31	74,0	0,825	1,31
Helium	He	4	0,178	–269	20,9	–268	2,29	5,23	1,66
Hydrogen	H_2	2	0,090	–253	461	–240	13,0	14,24	1,41
Methane	CH_4	16	0,717	–162	548	–82,5	46,3	2,18	1,30
Nitrogen	N_2	28	1,251	–196	155	–147	33,9	1,043	1,40
Oxygen	O_2	32	1,29	–183	218	–119	50,4	0,913	1,40

[1] Sublimation point and heat