

TYPICAL MATERIALS DATA

	Density at 20 °C (10 ³ kg/m ³)	Specific Heat capacity (kJ/kgK)
Aluminium	2.7	0.90
Brass	8.4	0.38
Cast Iron	5.7 - 7.2	0.50
Copper	8.9	0.39
Iron	7.85	0.45
Steel	7.8	0.46
Tin	7.3	0.23
Zinc	7.14	0.39
Water	1.00	4.18
Paper	0.6 - 1.2	1.5 - 1.7
Asbestos	2.0	0.84
Concrete, dry	1.5 - 2.4	0.90
Glass	2.5	0.84
Refractory brick	1.8	0.75
Polyethelene	0.92 - 0.96	2.3
PVC	1.4	0.85 - 1.17

UNITS OF VOLUME

Unit	=	in ³	ft ³	yd ³	gal (UK)	gal (US)	cm ³	dm ³ (l)	m ³
1 in ³	=	1	-	-	-	-	16.3871	0.01638	-
1 ft ³	=	1728	1	0.03704	6.229	7.481	-	28.3168	0.02832
1 yd ³	=	46656	27	1	168.18	201.97	-	764.555	0.76456
1 gal (UK)	=	277.42	0.16054	-	1	1.20095	4546.09	4.54609	-
1 gal (US)	=	231	0.13368	-	0.83267	1	3785.41	3.78541	-
1 cm ³	=	0.06102	-	-	-	-	-1	0.001	-
1 dm ³ (l)	=	61.0236	0.03531	0.00131	0.21997	0.26417	1000	10	0.001
1 m ³	=	61023.6	35.315	1.30795	219.969	264.172	10 ⁶	1000	1

in³ = cubic inch (cu in),

ft³ = cubic foot (cu ft),

yd³ = cubic yard (cu yd)

gal = gallon