

TABLE OF DENSITIES OF THE MORE COMMON MATERIALS

Material	kg/m ³	lb/ft ³
Aluminium	2691	168
Asphalt	1506	94
Brass	8394	524
Brick, common	1794	112
Bronze	8715	544
Cement, Portland	1506	94
Cement, Portland (set)	2483	155
Chalk	2195	137
Clay (wet)	3124	195
Coal (anthracite)	1554	97
Coal (bituminous)	1346	84
Coke	1202	75
Concrete masonry	2323	145
Copper ore	4197	262
Corn (bulk)	593	37
Glass	3140	196
Gravel	1922	120
Iron, cast	7209	450
Kerosene	817	51
Lead	11342	708
Limestone	2739	171
Manganese ore	3204	200
Mortar, rubble	2483	155
Nitrates (loose)	1602	100
Oils, mineral	929	58
Paper	929	58
Petroleum, crude	881	55
River mud	1442	90
Sand	1602	100
Sandstone	1442	90
Steel	7769	485
Tin	7337	458
Zinc	7049	440

VOLUME OF AIR REQUIRED BY STANDARD RANGE BAGS AT DEPTHS

Ambient Pressure	1	2	3	4	5	6	7	8	9	10	25	50
Depth	0	10	20	30	40	50	60	70	80	90	240	490
SPD1, M1	50	100	150	200	250	300	350	400	450	500	1250	2500
SPD2, M2, T2C	100	200	300	400	500	600	700	800	900	1000	2500	5000
M5, T5C	250	500	750	1000	1250	1500	1750	2000	2250	2500	6250	12500
M10, T10C	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	12500	25000
PR1, T1, TARB1	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	25000	50000
PR1V, PR1VM	1500	3000	4500	6000	7500	9000	12500	12000	13500	15000	37500	75000
PR2, T2	2000	4000	6000	8000	10000	12000	14000	16000	18000	20000	50000	100000
PR3, T3	3000	6000	9000	12000	15000	18000	21000	24000	27000	30000	75000	150000
PR5, T5	5000	10000	15000	20000	25000	30000	35000	40000	45000	50000	125000	250000
PR10, T10	10000	20000	30000	40000	50000	60000	70000	80000	90000	100000	250000	500000
PR20, T20	20000	40000	60000	80000	100000	120000	140000	160000	180000	200000	500000	1000000
PR35, T35	35000	70000	105000	140000	175000	210000	245000	280000	315000	350000	875000	1750000

CONVERSION TABLE

TO CONVERT	MULTIPLY BY	TO CONVERT	MULTIPLY BY
Atmospheres to feet of water	33.90	Feet to metres	0.3048
Atmospheres to pounds per square inch	14.70	Feet of water to atmospheres	0.0295
Bars to atmosphere	0.9869	Feet of water to lbs per square inch	0.4335
Bars to lbs per square inch	14.50	Kilograms to tons	0.0009842
Cubic feet to cubic metres	0.02832	Pounds to kilograms	0.4536
Cubic feet of water to lbs	62.42	Pounds of water to cubic feet	0.01602
Cubic feet to gallons	6.228	Pounds per square inch to atmospheres	0.06804
Cubic metres to cubic feet	35.32	Pounds per square inch to feet of water	2.307
Fathoms to feet	6.00	Tons to kilograms	0.1016