Density of materials

Materials	Density (g/cm^3)	Density ($lb/in.^3$)
Iridium	22.65	0.82
Osmium	22.61	0.82
Platinum	21.45	0.77
Rhenium	21.00	0.76
Tungsten	19.40	0.70
Gold	19.30	0.70
Uranium	19.07	0.69
Tungsten carbide	17.20	0.62
Tantalum	16.60	0.60
Tantalum cabide(TaC)	14.53	0.52
Hafnium	13.10	0.47
Ruthenium	12.45	0.45
Rhodium	12.41	0.45
Palladium	12.02	0.43
Thallium	11.85	0.43
Tholium	11.50	0.42
Lead	11.34	0.41
Silver	10.49	0.38
molybdenum	10.20	0.37
Bismuth	9.80	0.35
Thulium	9.31	0.34
Cast hight leaded tin bronze	9.29	0.34
Nickel-moly(Hastelly B-2)	9.20	0.33
Copper	8.96	0.32
Nickel	8.90	0.32
Copper nickel(64Cu-14Ni-22Zn)	8.85	0.32
Cobalt	8.85	0.32
Nickel silver	8.70	0.31
Brass(61.5Cu-3Pb-35.5Zn)	8.70	0.31
Bronze(57Cu,40Zn,3Pb)	8.70	0.31
Cadmium	8.65	0.31
Niobium(Columbium)	8.57	0.31
Nickel chromium cobalt alloy	8.21	0.30
Nickel-chromium(Inconel 718)	8.20	0.30
Copper zinc alloy	8.19	0.30
Maraing steel	8.02	0.29
Austentic stainless steel	8.00	0.29
Iron-nickel(Invar)	8.00	0.29
Iron	7.87	0.28
Nickel iron superally	7.86	0.28
Chromium steel	7.83	0.28
Nonresuktfurized carbon steel	7.83	0.28
Stainless steel(17Cr-4Ni)	7.81	0.28
Hot work tool steel	7.75	0.28
Aluminium bronze	7.64	0.28
Babbitt	7.50	0.27
Samarium	7.49	0.27
Maganese	7.43	0.27

Materials	Density (g/cm^3)	Density ($lb/in.^3$)
Galium	5.91	0.21
Zirconiua (partially stabilized)	5.70	0.21
Germanium	5.32	0.19
Titanium nitride	5.29	0.19
Tittanium carbide	4.94	0.18
Titanium diboride	4.52	0.16
Titanium	4.51	0.16
Ti-6Al-4V	4.50	0.16
Titanium dioxide	4.25	0.15
Aluminium oxide	3.98	0.14
Spinel ($MgO.Al_3O_3$)	3.57	0.13
Aluminium nitride	3.26	0.12
Sialon	3.20	0.12
Silicon nitride	3.19	0.12
Mullite ($3Al_2O_3$-$2SiO_2$)	3.16	0.11
Silicon carbide	3.10	0.11
Hydroxyapatite	3.10	0.00
Aluminium carbide	2.99	0.11
Wollastonite	2.90	0.10
Aluminium copper alloy	2.84	0.10
Aluminium zinc alloy	2.78	0.10
Aluminium	2.70	0.10
Cordierite	2.65	0.10
E-glass fiber	2.62	0.10
Pyrex glass	2.52	0.09
Boron carbide	2.52	0.09
Boron	2.40	0.09
Silicon	2.33	0.08
PTFE (polytetrafluoroethylene)	2.30	0.08
Graphite	2.26	0.08
Boron nitride	2.25	0.08
Sulfur	2.07	0.07
Unsaturated polyester	2.00	0.07
Polymide thermoset	2.00	0.07
Phenolic resin	1.99	0.07
Beryllium	1.85	0.07
Phosphorus	1.83	0.07
Carbon fiber	1.74	0.06
Magnesium	1.74	0.06
PPS (polyphenyleene sulfide)	1.67	0.06
Nylon 6	1.64	0.06
Acetal resin	1.57	0.06
Epoxy resin	1.56	0.06
Calcium	1.55	0.06
Rubidium	1.53	0.06
Polycarbonate	1.53	0.06
Aremid fiber	1.45	0.05
Aramotic polymide	1.44	0.05
Bismaleimide resin	1.36	0.05
Silicone	1.35	0.05
PEEK (polyetheretherketone)	1.32	0.05

Woods	Density (g/cm^3)	Density ($lb/in.^3$)
Ash	0.56	.020
Aspen	0.38	0.014
Basswood	0.38	0013
Cedar	0.35	0013
Cherry	0.50	0.018
Grey Elm	0.50	0.018
Hackberry	0.53	0.019
Hickory	0.72	0.026
Hard Maple	0.60	0.022
Pine	0.38	0.014
Red Elm	0.53	0.019
Red Oak	0.63	0.023
Soft Maple	0.48	0.017
Walnut	0.55	0.019
White Oak	0.68	0.025
Fir	0.37	0.013
Douglas Fir	0.47	0.016
Larch	0.48	0.017
Redwood	0.27	0.0097

Indium	7.31	0.26
Niobium nitride	7.30	0.26
Tin	7.30	0.26
Cerium dioxide	7.28	0.26
Astempered ductile iron	7.20	0.26
Pewter(Sn,Sb,Cu)	7.20	0.26
Chromium	7.19	0.26
Zince	7.13	0.26
Neodymium	7.00	0.25
Praseodymium	6.77	0.24
Cerium	6.77	0.24
Chromium carbide	6.70	0.24
Antimony	6.65	0.24
Zinconium	6.49	0.23
Lanthanum	6.15	0.22
Vanadium	6.11	0.22
Nivkel aluminide (NiAl)	6.05	0.22

Cellulose acetate	1.30	0.05
Human Bone	1.30	0.05
Polyurethane	1.27	0.05
ABS (acrylonitrile butadiene styrene)	1.26	0.05
Polysulfone	1.24	0.04
Acrylic	1.19	0.04
Polypropylene	1.05	0.04
Sodium	0.97	0.04
PE (polyethylene)	0.95	0.03
UHMWPE (ultrahigh molecular weight PE)	0.93	0.03
Potassium	0.86	0.03
Lithium	0.53	0.019
PVC	1.4	0.05