

| NAME | Specific Gravity | NAME | Specific Gravity |
|-----------------------------|-------------------------|--------------------------|-------------------------|
| Lithium | 0.53 | Alumina | 3.4 - 3.6 |
| Potassium | 0.856 | Aluminum, cast-hammered | 2.55 - 2.80 |
| Sodium | 0.968 | Antimony | 6.68 |
| Water, fresh | 1 | Barium | 3.62 |
| Cement, Portland | 1.5 | Barium sulfate | 4.5 |
| Rubidium | 1.532 | Baryte / Barite | 4.25 |
| Magnesium | 1.738 | Bentonite | 2.4 |
| Beryllium | 1.848 | Beryllium | 1.848 |
| Cesium | 1.873 | Bismuth | 9.79 |
| Sulfur | 2.07 | Boron | 2.34 |
| Salt | 2.2 | Brass, cast-rolled | 8.4 - 8.7 |
| Carbon | 2.26 | Bronze, 7.9 - 14% Sn | 7.4 - 8.9 |
| Diamond | 2.26 | Bronze, aluminum | 7.7 |
| Gypsum | 2.3 | Bronze, phosphor | 8.88 |
| Silicon | 2.33 | Calcium carbonate | 2.7 |
| Boron | 2.34 | Carbon | 2.26 |
| Phosphorus | 2.34 | Cement, Portland | 1.5 |
| Bentonite | 2.4 | Cerium | 6.77 |
| Glass beads | 2.5 | Cesium | 1.873 |
| Clays | 2.6 | Chromium | 7.19 |
| Sand, silica | 2.6 | Chromium dioxide (Cr2O3) | 5.22 |
| Strontium | 2.64 | Clays | 2.6 |
| Calcium carbonate | 2.7 | Coal slag | 2.7 |
| Coal slag | 2.7 | Cobalt | 8.92 |
| Limestone | 2.8 | Copper ore, pyrites | 4.1 - 4.3 |
| Mullite beads | 2.8 | Copper, cast-rolled | 8.8 - 8.95 |
| Dolomite | 2.9 | Diamond | 2.26 |
| Scandium | 2.989 | Dolomite | 2.9 |
| Silicon carbide | 3.1 | Dysprosium | 8.55 |
| Silicon nitride | 3.2 | Erbium | 9.066 |
| Sialon | 3.26 | Europium | 5.244 |
| Barium | 3.62 | Ferrosilicon- 15% | 6.7-7.1 |
| Titanium dioxide, Anatase | 3.77 | Flint stones/ pebbles | 2.4 - 2.6 |
| Zirconium silicate | 3.85 | Gadolinium | 7.9 |
| Baryte / Barite | 4.25 | Gallium | 5.91 |
| Selenium | 4.28 | German silver | 8.58 |
| Yttrium | 4.47 | Germanium | 5.32 |
| Barium sulfate | 4.5 | Glass beads | 2.5 |
| Titanium | 4.506 | Gold coin (U.S.) | 17.18 - 17.2 |
| Iodine | 4.93 | Gold, cast-hammered | 19.25 - 19.35 |
| Iron ore, hematite | 5.2 | Gold, pure | 19.32 |
| Chromium dioxide (Cr2O3) | 5.22 | Gypsum | 2.3 |
| Europium | 5.244 | Hafnium | 13.31 |
| Germanium | 5.32 | Hematite, specular | 5.4 |
| Hematite, specular | 5.4 | Holmium | 8.795 |
| Iron ore, specular | 5.4 | Ilmenite | 4.5- 5.0 |
| Zirconia, stabilized (MgO) | 5.4 | Indium | 7.31 |
| Gallium | 5.91 | Iodine | 4.93 |
| Zirconia, stabilized (Y2O3) | 6 | Iridium | 21.78 - 22.65 |
| Zirconia, stabilized (REO) | 6.1 | Iron carbonate | 3.9+ |
| Vanadium | 6.11 | Iron ore, hematite | 5.2 |
| Lanthanum | 6.17 | Iron ore, magnetite | 4.9 - 5.2 |
| Tellurium | 6.24 | Iron ore, specular | 5.4 |
| Zirconium | 6.506 | Iron slag | 2.5 - 3.0 |
| Antimony | 6.68 | Iron, cast, pig | 7.2 |
| Cerium | 6.77 | Iron, ferrosilicon | 6.7-7.3 |
| Praseodymium | 6.77 | Iron, gray cast | 7.03 - 7.13 |
| Ytterbium | 6.97 | Iron, ore, limonite | 3.6 - 4.0 |
| Neodymium | 7 | Iron, spiegeleisen | 7.5 |
| Quartz sand | 7 | Iron, wrought | 7.6 - 7.9 |
| Sand, quartz | 7 | Lanthanum | 6.17 |
| Chromium | 7.19 | Lead | 11.34 |
| Iron, cast, pig | 7.2 | Lead ore, galena | 7.3 - 7.6 |
| Tin, 100% Pure | 7.29 | Lead oxide (yellow) | 9.5 - 9.9 |
| Indium | 7.31 | Limestone | 2.8 |
| Manganese | 7.35 | Lithium | 0.53 |
| Iron, spiegeleisen | 7.5 | Lutetium | 9.84 |
| Samarium | 7.52 | Magnesium | 1.738 |

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|---------------------------|---------------|-----------------------------|-------------|
| Bronze, aluminum | 7.7 | Manganese | 7.35 |
| Steel, 440C stainless | 7.7 | Manganese ore, pyrolusite | 3.7 - 4.6 |
| Steel, carbon | 7.8 | Mercury | 13.534 |
| Steel, chrome | 7.8 | Molybdenum | 10.22 |
| Steel, machine | 7.8 | Monel metal, rolled | 8.97 |
| Steel, cold-drawn | 7.83 | Mullite beads | 2.8 |
| Gadolinium | 7.9 | Neodymium | 7 |
| Terbium | 8.27 | Nickel | 8.9 |
| Dysprosium | 8.55 | Niobium | 8.57 |
| Niobium | 8.57 | Osmium | 22.61 |
| German silver | 8.58 | Palladium | 12.02 |
| Holmium | 8.795 | Phosphorus | 2.34 |
| Bronze, phosphor | 8.88 | Platinum | 21.5 |
| Nickel | 8.9 | Potassium | 0.856 |
| Cobalt | 8.92 | Praseodymium | 6.77 |
| Monel metal, rolled | 8.97 | Quartz sand | 7 |
| Erbium | 9.066 | Rhenium | 21.02 |
| Thulium | 9.32 | Rhodium | 12.41 |
| Bismuth | 9.79 | Rubidium | 1.532 |
| Lutetium | 9.84 | Ruthenium | 12.45 |
| Molybdenum | 10.22 | Salt | 2.2 |
| Lead | 11.34 | Samarium | 7.52 |
| Thallium | 11.85 | Sand, quartz | 7 |
| Palladium | 12.02 | Sand, silica | 2.6 |
| Rhodium | 12.41 | Scandium | 2.989 |
| Ruthenium | 12.45 | Selenium | 4.28 |
| Hafnium | 13.31 | Sialon | 3.26 |
| Mercury | 13.534 | Silicon | 2.33 |
| Tungsten carbide | 14.29 | Silicon carbide | 3.1 |
| Tantalum | 16.69 | Silicon nitride | 3.2 |
| Uranium | 18.7 | Silver, pure | 10.4 - 10.6 |
| Tungsten | 19.25 | Sodium | 0.968 |
| Gold, pure | 19.32 | Steatite beads | 2.6 - 2.7 |
| Rhenium | 21.02 | Steel, 440C stainless | 7.7 |
| Platinum | 21.5 | Steel, carbon | 7.8 |
| Osmium | 22.61 | Steel, chrome | 7.8 |
| Silver, pure | 10.4 - 10.6 | Steel, cold-drawn | 7.83 |
| Gold coin (U.S.) | 17.18 - 17.2 | Steel, machine | 7.8 |
| Gold, cast-hammered | 19.25 - 19.35 | Steel, tool | 7.70 - 7.73 |
| Flint stones/ pebbles | 2.4 - 2.6 | Strontium | 2.64 |
| Iron slag | 2.5 - 3.0 | Sulfur | 2.07 |
| Aluminum, cast-hammered | 2.55 - 2.80 | Tantalum | 16.69 |
| Steatite beads | 2.6 - 2.7 | Tellurium | 6.24 |
| Iridium | 21.78 - 22.65 | Terbium | 8.27 |
| Alumina | 3.4 - 3.6 | Thallium | 11.85 |
| Iron, ore, limonite | 3.6 - 4.0 | Thulium | 9.32 |
| Manganese ore, pyrolusite | 3.7 - 4.6 | Tin ore, cassiterite | 6.4 - 7.0 |
| Zinc, ore, blend | 3.9-4.2 | Tin, 100% Pure | 7.29 |
| Iron carbonate | 3.9+ | Tin, pure | 7.2 - 7.5 |
| Copper ore, pyrites | 4.1 - 4.3 | Titanium | 4.506 |
| Ilmenite | 4.5- 5.0 | Titanium dioxide, Anatase | 3.77 |
| Iron ore, magnetite | 4.9 - 5.2 | Tungsten | 19.25 |
| Tin ore, cassiterite | 6.4 - 7.0 | Tungsten carbide | 14.29 |
| Ferrosilicon- 15% | 6.7-7.1 | Uranium | 18.7 |
| Iron, ferrosilicon | 6.7-7.3 | Vanadium | 6.11 |
| Zinc, cast-rolled | 6.9 - 7.2 | Water, fresh | 1 |
| Iron, gray cast | 7.03 - 7.13 | Ytterbium | 6.97 |
| Tin, pure | 7.2 - 7.5 | Yttrium | 4.47 |
| Lead ore, galena | 7.3 - 7.6 | Zinc, cast-rolled | 6.9 - 7.2 |
| Bronze, 7.9 - 14% Sn | 7.4 - 8.9 | Zinc, ore, blend | 3.9-4.2 |
| Iron, wrought | 7.6 - 7.9 | Zirconia, stabilized (MgO) | 5.4 |
| Steel, tool | 7.70 - 7.73 | Zirconia, stabilized (REO) | 6.1 |
| Brass, cast-rolled | 8.4 - 8.7 | Zirconia, stabilized (Y2O3) | 6 |
| Copper, cast-rolled | 8.8 - 8.95 | Zirconium | 6.506 |
| Lead oxide (yellow) | 9.5 - 9.9 | Zirconium silicate | 3.85 |