

Liste der Dichte fester Stoffe

| Stoff | Dichte | | Chemische Bezeichnung |
|---|-------------------|--|-----------------------|
| | kg/m ³ | kg/dm ³ , g/cm ³ | |
| thermoplastische Schaumteile | 12...300 | 0,012...0,300 | - |
| Neuschnee | 60...200 | 0,060...0,200 | - |
| Balsaholz (lufttrocken) | 100...200 | 0,100...0,200 | - |
| Holz (lufttrocken) | 400...800 | 0,400...0,800 | - |
| Kork | 480...520 | 0,480...0,520 | - |
| Fichtenholz | ca. 500 | ca. 0,500 | - |
| Kalium | 680 | 0,680 | K |
| Eichenholz | ca. 800 | ca. 0,800 | - |
| Papier Büroqualität 80 g/m ² | ca. 800 | ca. 0,800 | - |
| Paraffin | 860...930 | 0,860...0,930 | - |
| Wachs | 900...980 | 0,900...0,980 | - |
| Eis (bei 0 °C) | 917 | 0,917 | H ₂ O |
| Gummi Kautschuk | 920...960 | 0,920...0,960 | - |
| Polystyrol | 1.040 - 1.090 | 1,040...1,090 | - |
| Pertinax | 1.35 | 1,350 | - |
| Plexiglas Acrylglas PMMA | 1.35 | 1,350 | - |
| Steinkohle | 1.35 | 1,350 | - |
| Magnesium | 1.733 | 1,733 | Mg |
| Beton | 1.800...2.450 | 1,800...2,450 | - |
| Phosphor | 1.823 | 1,823 | P |
| Beryllium | 1.85 | 1,850 | Be |
| Schwefel (rhombisch) | 2.07 | 2,070 | S |
| Quarzglas | 2.2 | 2,200 | - |
| Kohlenstoff Graphit | 2.25 | 2,250 | C |
| Gips | 2.3 | 2,300 | - |
| Silicium | 2.33 | 2,330 | Si |
| Sandstein | 2.4 | 2,400 | - |
| Fenster-Glas | 2.500...2.600 | 2,500...2,600 | - |
| Aluminium | 2.71 | 2,710 | Al |
| Granit | 2.8 | 2,800 | - |
| Zement | 3000...3100 | 3,0...3,1 | - |
| Kohlenstoff Diamant | 3.51 | 3,510 | C |
| Titan | 4.5 | 4,500 | Ti |
| Eisenoxid (Rost) | 5.1 | 5,100 | - |
| Vanadium | 6.12 | 6,120 | V |
| Antimon | 6.68 | 6,680 | Sb |
| Zink | 7.13 | 7,130 | Zn |
| Chrom | 7.2 | 7,200 | Cr |
| Gusseisen | 7.25 | 7,250 | - |
| Zinn | 7.28 | 7,280 | Sn |
| Bronze | 7.400...8.900 | 7,400...8,900 | Cu-Sn-Legierung |
| Mangan | 7.43 | 7,430 | Mn |
| Eisen Stahl | 7.7 | 7,700 | - |
| Stahl unlegiert | 7.85 | 7,850 | - |
| Eisen chem. rein | 7.86 | 7,860 | Fe |
| Eisen Invar | 7.9 | 7,900 | - |
| Stahl legiert | 7.9 | 7,900 | - |
| Messing | 8.100...8.700 | 8,100...8,700 | Cu-Zn-Legierung |
| Neusilber | 8.5 | 8,500 | Cu-Ni-Zn-Legierung |
| Cadmium | 8.64 | 8,640 | Cd |
| Konstantan | 8.8 | 8,800 | Cu55Ni45-Legierung |
| Cobalt | 8.9 | 8,900 | Co |
| Nickel | 8.91 | 8,910 | Ni |
| Kupfer | 8.920...8.960 | 8,920...8,960 | Cu |
| Wismut | 9.8 | 9,800 | Bi |
| Silber | 10.49 | 10,490 | Ag |
| Blei | 11.34 | 11,340 | Pb |
| Palladium | 12 | 12,000 | Pd |
| Rhodium | 12.4 | 12,400 | Rh |
| Quecksilber* | 13.595 | 13,595 | Hg |
| Uran | 19.05 | 19,050 | U |
| Wolfram | 19.27 | 19,270 | W |
| Gold | 19.32 | 19,320 | Au |
| Rhenium | 21.04 | 21,040 | Re |
| Platin | 21.45 | 21,450 | Pt |
| Osmium | 22.61 | 22,610 | Os |
| Iridium | 22.65 | 22,650 | Ir |

* Quecksilber ist bei Zimmertemperatur flüssig.

Liste der Dichte flüssiger Stoffe

| Material | Dichte [kg/m ³] | Formel |
|--------------------------------------|--------------------------------|--|
| Diethylether | 713 | C ₄ H ₁₀ O |
| Schwefelkohlenstoff | 713 | CS ₂ |
| Ottokraftstoff (genormt, Mittelwert) | 750 | |
| Ethanol | 789 | C ₂ H ₅ OH |
| Aceton | 791 | C ₃ H ₆ O |
| Methanol | 793 | CH ₄ O |
| Petroleum | 800 | |
| Dieselmotorenkraftstoff | 830 | |
| Spiritus | 830 | |
| Terpentinöl | 855 | C ₁₀ H ₁₆ |
| Toluol | 872 | C ₇ H ₈ |
| Benzol | 879 | C ₆ H ₆ |
| Olivenöl | 910 | - |
| Wasser (bei 3,98 °C) | 999,975 | H₂O |
| Anilin | 1022 | C ₆ H ₇ N |
| Meerwasser | 1025 | |
| Milch | 1030 | - |
| Essigsäure | 1049 | C ₂ H ₄ O ₂ |
| Schweres Wasser | 1105 | D ₂ O |
| Nitrobenzol | 1220 | C ₆ H ₅ O ₂ N |
| Glycerin | 1260 | C ₃ H ₈ O ₃ |
| Salpetersäure | 1512 | HNO ₃ |
| Schwefelsäure | 1834 | H ₂ SO ₄ |
| Brom | 3119 | Br ₂ |
| Quecksilber | 13546 | Hg |

Liste der Dichte gasförmiger Stoffe

| Gas | Dichte [kg/m ³] | Formel |
|------------------------------|--------------------------------|---------------------------------------|
| Wasserstoff | 0,08988 | H ₂ |
| Helium | 0,178 | He |
| Leuchtgas | 0,550 | H ₂ , CH ₄ & CO |
| Methan | 0,717 | CH ₄ |
| Ammoniak | 0,771 | NH ₃ |
| Neon | 0,840 | Ne |
| Wasserdampf | 0,880 | H ₂ O |
| Wasserdampf bei 100 °C | 0,598 | H ₂ O |
| Acetylen | 1,171 | C ₂ H ₂ |
| Luft bei 20 °C | 1,204 | - |
| Kohlenmonoxid | 1,250 | CO |
| Stickstoff | 1,251 | N ₂ |
| Ethylen | 1,261 | C ₂ H ₄ |
| Luft bei 0 °C | 1,292 | - |
| Luft (CO ₂ -frei) | 1,293 | - |
| Stickstoffmonoxid | 1,340 | NO |
| Ethan | 1,356 | C ₂ H ₆ |
| Sauerstoff | 1,429 | O ₂ |
| Fluor | 1,695 | F ₂ |
| Argon | 1,784 | Ar |
| Propen | 1,915 | C ₃ H ₆ |
| Kohlenstoffdioxid | 1,977 | CO ₂ |
| Lachgas | 1,978 | N ₂ O |
| Propan | 2,019 | C ₃ H ₈ |
| Ozon | 2,220 | O ₃ |
| Methylchlorid | 2,307 | CH ₃ Cl |
| n-Butan | 2,703 | C ₄ H ₁₀ |
| Schwefeldioxid | 2,926 | SO ₂ |
| Chlor | 3,214 | Cl ₂ |
| Krypton | 3,479 | Kr |
| Xenon | 5,897 | Xe |
| Wolframhexafluorid | 12,700 | WF ₆ |