

Mechanische Kennwerte für walzblankes Aluminium-Halbzeug

| Legierungsbezeichnung | Kurzzeichen für Zustand EN 512 (DIN) | | Festigkeitswerte EN 485-2 Zugfestigkeit R _m (MPa) min.-max. | Dehngrenze R _{p0,2} (MPa) min.-max. | Bruchdehnung min. A ₅₀ (%) für Nenndicke | | | | | | min. Biegeradiusfaktor F bei 90° (Radius=F x Materialdicke) für Nenndicke | | | | | |
|----------------------------------------------------------------------------|-----------------------------------------|-------|------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|-----|-----|-----|-----|------|---------------------------------------------------------------------------------|-----|-----|------|-----|------|
| | | | | | Über | 0,2 | 0,5 | 1,5 | 3,0 | 6,0 | Über | 0,2 | 0,5 | 1,5 | 3,0 | 6,0 |
| EN AW | | | | | Über | 0,2 | 0,5 | 1,5 | 3,0 | 6,0 | Über | 0,2 | 0,5 | 1,5 | 3,0 | 6,0 |
| EN 573-3 | | | | | bis | 0,5 | 1,5 | 3,0 | 6,0 | 10,0 | bis | 0,5 | 1,5 | 3,0 | 6,0 | 10,0 |
| (angegebene Maximaldicken entsprechen nicht immer den Liefermöglichkeiten) | | | | | | | | | | | | | | | | |
| 1050A | 0/H111 | (W7) | 65-90 | 20 | 20 | 22 | 26 | 29 | 35 | | 0 | 0 | 0 | 0,5 | 1,0 | |
| (Al 99,5) | H12 | (F9) | 85-125 | 65 (ab 0,9 mm) | | 4 | 5 | 7 | | | | 0 | 0,5 | 1,0 | | |
| | H22 | (G9) | 85-125 | 55 | 4 | 5 | 6 | 11 | | | 0 | 0 | 0,5 | 1,0 | | |
| Dichte: | H14 | (F11) | 105-145 | 85 | 2 | 3 | 4 | 5 | | | 0 | 0,5 | 1,0 | 1,5 | | |
| 2,706 t/m ³ | H24 | (G11) | 105-145 | 75 | 3 | 4 | 5 | 8 | | | 0 | 0,5 | 1,0 | 1,5 | | |
| | H16 | (F13) | 120-160 | 100 | 1 | 2 | 3 | 3* | | | 0,5 | 1,0 | 1,5 | 1,5* | | |
| | H26 | (G13) | 120-160 | 90 | 2 | 3 | 4 | 4* | | | 0,5 | 1,0 | 1,5 | 1,5* | | |
| | H18 | | 140 | 120 | 1 | 2 | 2 | | | | 1,0 | 2,0 | 3,0 | | | |
| | H28 | | 140 | 110 | 2 | 2 | | | | | 1,0 | 2,0 | 3,0 | | | |
| | H19 | (F15) | 150 | 130 | 1 | 1 | | | | | | | | | | |
| 1200 | 0/H111 | (W8) | 75-105 | 25 | 19 | 21 | 24 | 28 | 33 | | 0 | 0 | 0 | 0,5 | 1,0 | |
| (Al 99,0) | H12 | (F10) | 95-135 | 75 (ab 0,9 mm) | | 4 | 5 | 6 | | | 0 | 0 | 0,5 | 1,0 | | |
| | H22 | (G10) | 95-135 | 65 | 4 | 5 | 6 | 10 | | | 0 | 0 | 0,5 | 1,0 | | |
| Dichte: | H14 | (F12) | 115-155 | 95 | 2 | 3 | 4 | 5 | | | 0 | 0,5 | 1,0 | 1,5 | | |
| 2,711 t/m ³ | H24 | | 115-155 | 90 | 3 | 4 | 5 | 7 | | | 0 | 0,5 | 1,0 | 1,5 | | |
| | H16 | (F14) | 130-170 | 115 | 1 | 2 | 3 | 3* | | | 0,5 | 1,0 | 1,5 | 1,5* | | |
| | H26 | | 130-170 | 105 | 2 | 3 | 4 | 4* | | | 0,5 | 1,0 | 1,5 | 1,5* | | |
| | H18 | | 150 | 130 | 1 | 2 | 2 | | | | 1,0 | 2,0 | 3,0 | | | |
| | H19 | (F16) | 160 | 140 | 1 | 1 | 1 | | | | | | | | | |
| 3003 | 0/H111 | (W10) | 95-135 | 35 | 15 | 17 | 20 | 23 | 24 | | 0 | 0 | 0 | 1,0 | 1,5 | |
| (Al Mn1 Cu) | H12 | (F13) | 120-160 | 90 (ab 0,7 mm) | | 4 | 5 | 6 | | | 0 | 0,5 | 1,0 | 1,0 | | |
| | H22 | | 120-160 | 80 | 6 | 7 | 8 | 9 | | | 0 | 0,5 | 1,0 | 1,0 | | |
| Dichte: | H14 | (F15) | 145-185 | 125 | 2 | 2 | 3 | 4 | | | 0,5 | 1,0 | 1,0 | 2,0 | | |
| 2,731 t/m ³ | H24 | | 145-185 | 115 | 4 | 4 | 5 | 6 | | | 0,5 | 1,0 | 1,0 | 2,0 | | |
| | H16 | (F17) | 170-210 | 150 | 1 | 2 | 2 | 2* | | | 1,0 | 1,5 | 2,0 | 2,0* | | |
| | H18 | (F19) | 190 | 170 | 1 | 2 | 2 | | | | 1,5 | 2,5 | 3,0 | | | |
| | H19 | | 210 | 180 | 1 | 2 | | | | | | | | | | |
| 3103 | 0/H111 | (W9) | 90-130 | 35 | 17 | 19 | 21 | 24 | 28 | | 0 | 0 | 0 | 1,0 | 1,5 | |
| (Al Mn1) | H12 | (F12) | 115-155 | 85 (ab 0,7 mm) | | 4 | 5 | 6 | | | 0 | 0,5 | 1,0 | 1,0 | | |
| | H22 | | 115-155 | 75 | 6 | 7 | 8 | 9 | | | 0 | 0,5 | 1,0 | 1,0 | | |
| Dichte: | H14 | (F14) | 140-180 | 120 | 2 | 2 | 3 | 4 | | | 0,5 | 1,0 | 1,0 | 2,0 | | |
| 2,729 t/m ³ | H24 | | 140-180 | 110 | 4 | 4 | 5 | 6 | | | 0,5 | 1,0 | 1,0 | 2,0 | | |
| | H16 | (F17) | 160-200 | 145 | 1 | 2 | 2 | 2* | | | 1,0 | 1,5 | 2,0 | 2,0* | | |
| | H18 | (F19) | 185 | 135 | 1 | 2 | 2 | | | | 1,5 | 2,5 | 3,0 | | | |
| | H19 | | 200 | 155 | 1 | 2 | | | | | 1,5 | 2,5 | | | | |
| 3004 | 0/H111 | (W16) | 155-200 | 60 | 13 | 14 | 15 | 16 | 16 | | 0 | 0 | 0 | 1,0 | 2,0 | |
| (Al Mn1 Mg1) | H12 | (F19) | 190-240 | 155 | 2 | 3 | 4 | 5 | | | 0 | 0,5 | 1,0 | 1,5 | | |
| | H22/32 | (G19) | 190-240 | 145 | 4 | 5 | 6 | 7 | | | 0 | 0,5 | 1,0 | 1,5 | | |
| Dichte: | H14 | (F22) | 220-265 | 180 | 1 | 2 | 2 | 3 | | | 0,5 | 1,0 | 1,5 | 2,0 | | |
| 2,714 t/m ³ | H24/34 | (G22) | 220-265 | 170 | 3 | 4 | 4 | | | | 0,5 | 1,0 | 1,5 | | | |
| | H16 | (F24) | 240-285 | 200 | 1 | 1 | 2 | 2* | | | 1,0 | 1,5 | 2,5 | 2,5* | | |
| | H26/36 | (G24) | 240-285 | 190 | 3 | 3 | 3 | | | | 1,0 | 1,5 | 2,5 | | | |
| | H18 | (F28) | 260 | 230 | 1 | 1 | | | | | 1,5 | 2,5 | | | | |
| | H28/38 | (G28) | 260 | 220 | 2 | 3 | | | | | 1,5 | 2,5 | | | | |
| | H19 | | 270 | 240 | 1 | 1 | | | | | | | | | | |
| 3104 | 0/H111 | (W16) | 155-200 | 60 | 13 | 14 | 15 | 16 | 16 | | 0 | 0 | 0 | 1,0 | 2,0 | |
| (Al Mn1 Mg1 Cu) | H12 | (F19) | 190-240 | 155 | 2 | 3 | 4 | 5 | | | 0 | 0,5 | 1,0 | 1,5 | | |
| | H22/32 | (G19) | 190-240 | 145 | 4 | 5 | 6 | 7 | | | 0 | 0,5 | 1,0 | 1,5 | | |
| Dichte: | H14 | (F22) | 220-265 | 180 | 1 | 2 | 2 | 3 | | | 0,5 | 1,0 | 1,5 | 2,0 | | |
| 2,714 t/m ³ | H24/34 | (G22) | 220-265 | 170 | 3 | 4 | 4 | | | | 0,5 | 1,0 | 1,5 | | | |
| | H16 | (F24) | 240-285 | 200 | 1 | 1 | 2 | 2* | | | 1,0 | 1,5 | 2,5 | 2,5* | | |
| | H26/36 | (G24) | 240-285 | 190 | 3 | 3 | 3 | | | | 1,0 | 1,5 | 2,5 | | | |
| | H18 | (F28) | 260 | 230 | 1 | 1 | 2 | | | | 1,5 | 2,5 | | | | |
| | H28/38 | (G28) | 260 | 220 | 2 | 3 | | | | | 1,5 | 2,5 | | | | |
| | H19 | | 270 | 240 | 1 | 1 | | | | | | | | | | |
| 3005 | 0/H111 | (W12) | 115-165 | 45 | 12 | 14 | 16 | 19 | | | 0 | 0 | 0,5 | 1,0 | | |
| (Al Mn1 Mg0,5) | H12 | (F16) | 145-195 | 125 | 3 | 4 | 4 | 5 | | | 0 | 0,5 | 1,0 | 1,5 | | |
| | H22 | (G16) | 145-195 | 110 | 5 | 5 | 6 | 7 | | | 0 | 0,5 | 1,0 | 1,5 | | |
| Dichte: | H14 | (F18) | 170-215 | 150 | 1 | 2 | 2 | 3 | | | 0,5 | 1,0 | 1,5 | 2,0 | | |
| 2,721 t/m ³ | H24 | (G18) | 170-215 | 130 | 4 | 4 | 4 | | | | 0,5 | 1,0 | 1,5 | | | |
| | H16 | (F20) | 195-240 | 175 | 1 | 2 | 2 | 2* | | | 1,0 | 1,5 | 2,5 | 2,5* | | |
| | H26 | (G20) | 195-240 | 160 | 3 | 3 | 3 | | | | 1,0 | 1,5 | 2,5 | | | |
| | H18 | (F22) | 220 | 200 | 1 | 2 | | | | | 1,5 | 2,5 | | | | |
| | H28 | | 220 | 190 | 2 | 2 | | | | | 1,5 | 2,5 | | | | |
| | H19 | (F24) | 235 | 210 | 1 | 1 | | | | | | | | | | |

Mit * gekennzeichnete Werte gelten nur für Materialdicken über 3,0 - 4,0mm

Mechanische Kennwerte für walzblankes Aluminium-Halbzeug

| Legierungs- bezeichnung | Kurzzzeichen für Zustand EN 512 (DIN) | Festigkeitswerte EN 485-2 Zugfestigkeit R _m (MPa) min.-max. | Dehngrenze R _{p0,2} (MPa) min.-max. | Bruchdehnung min. A ₅₀ (%) für Nenndicke | | | | | | min. Biegeradiusfaktor F bei 90° (Radius=F x Materialdicke) für Nenndicke | | | | | | |
|----------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|------|-----|-----|-----|-----|---------------------------------------------------------------------------------|------|-----|-----|-----|------|------|
| | | | | Über | 0,2 | 0,5 | 1,5 | 3,0 | 6,0 | Über | 0,2 | 0,5 | 1,5 | 3,0 | 6,0 | |
| EN AW | | | | | Über | 0,2 | 0,5 | 1,5 | 3,0 | 6,0 | Über | 0,2 | 0,5 | 1,5 | 3,0 | 6,0 |
| EN 573-3 | | | | | bis | 0,5 | 1,5 | 3,0 | 6,0 | 10,0 | bis | 0,5 | 1,5 | 3,0 | 6,0 | 10,0 |
| (angegebene Maximaldicken entsprechen nicht immer den Liefermöglichkeiten) | | | | | | | | | | | | | | | | |
| 3105 | 0/H111 | | 100-155 | 40 | | 14 | 15 | 17 | | | | 0 | 0 | 0,5 | | |
| (Al Mn0,5 Mg0,5) | H12 | | 130-180 | 105 (ab 0,7 mm) | | 3 | 4 | 4 | | | | 1,5 | 1,5 | 1,5 | | |
| | H22 | | 130-180 | 105 | | 6 | 6 | 7 | | | | | | | | |
| Dichte: | H14 | | 150-200 | 130 | | 2 | 2 | 2 | | | | 2,5 | 2,5 | 2,5 | | |
| 2,711 t/m ³ | H24 | | 150-200 | 120 | | 4 | 4 | 5 | | | | 2,5 | 2,5 | 2,5 | | |
| | H16 | | 175-225 | 160 | | 1 | 2 | 2 | | | | | | | | |
| | H26 | | 175-225 | 150 | | 3 | 3 | 3 | | | | | | | | |
| | H18 | | 195 | 180 | | 1 | 1 | 1 | | | | | | | | |
| | H28 | | 195 | 170 | | 2 | 2 | | | | | | | | | |
| | H19 | | 215 | 190 | | 1 | 1 | | | | | | | | | |
| 5005A | 0/H111 (W11) | | 100-145 | 35 | | 15 | 19 | 20 | 22 | 24 | | 0 | 0 | 0 | 1,0 | 1,5 |
| (Al Mg1 C) | H12 (F13) | | 125-165 | 95 (min.0,7 mm) | | -- | 2 | 4 | 5 | | | 0 | 0,5 | 1,0 | 1,0 | |
| | H22/32 (G13) | | 125-165 | 80 | | 4 | 5 | 6 | 8 | | | 0 | 0,5 | 1,0 | 1,0 | |
| Dichte: | H14 (F15) | | 145-185 | 120 | | 2 | 2 | 3 | 4 | | | 0,5 | 1,0 | 1,0 | 2,0 | |
| 2,693 t/m ³ | H24/34 (G15) | | 145-185 | 110 | | 3 | 4 | 5 | 6 | | | 0,5 | 1,0 | 1,0 | 2,0 | |
| | H16 (F17) | | 165-205 | 145 | | 1 | 2 | 3 | 3* | | | 1,0 | 1,5 | 2,0 | 2,5* | |
| | H26/36 (G17) | | 165-205 | 135 | | 2 | 3 | 4 | 4* | | | 1,0 | 1,5 | 2,0 | 2,5* | |
| | H18 (F19) | | 185 | 165 | | 1 | 2 | 2 | | | | 1,5 | 2,5 | 3,0 | | |
| | H28/38 (G19) | | 185 | 160 | | 1 | 2 | 3 | | | | 1,5 | 2,5 | 3,0 | | |
| | H19 (F21) | | 205 | 185 | | 1 | 2 | | | | | | | | | |
| 5049 | 0/H111 (W19) | | 190-240 | 80 | | 12 | 14 | 16 | 18 | 18 | | 0 | 0,5 | 1,0 | 1,0 | 2,0 |
| (Al Mg2 Mn0,8) | H12 (F22) | | 220-270 | 170 | | 4 | 5 | 6 | 7 | | | | | | | |
| | H22/32 (G22) | | 220-270 | 130 | | 7 | 8 | 10 | 11 | | | 0,5 | 1,0 | 1,5 | 1,5 | |
| Dichte: | H14 (F24) | | 240-280 | 190 | | 3 | 3 | 4 | 4 | | | | | | | |
| 2,698 t/m ³ | H24/34 (G24) | | 240-280 | 160 | | 6 | 6 | 7 | 8 | | | 1,0 | 1,5 | 2,0 | 2,5 | |
| | H16 (F27) | | 265-305 | 220 | | 2 | 3 | 3 | | | | | | | | |
| | H26/36 (G27) | | 265-305 | 190 | | 4 | 4 | 5 | 6 | | | 1,5 | 2,0 | 3,0 | | |
| | H18 (F29) | | 290 | 250 | | 1 | 2 | | | | | | | | | |
| | H28/38 | | 290 | 230 | | 3 | 3 | | | | | | | | | |
| 5251 | 0/H111 (W16) | | 160-200 | 60 | | 13 | 14 | 16 | 18 | 18 | | 0 | 0 | 0,5 | 1,0 | 2,0 |
| (Al Mg2) | H12 (F19) | | 190-230 | 150 | | 3 | 4 | 5 | 8 | | | 0 | 1,0 | 1,0 | 1,5 | |
| | H22/32 | | 190-230 | 120 | | 4 | 6 | 8 | 10 | | | 0 | 1,0 | 1,0 | 1,5 | |
| Dichte: | H14 (F21) | | 210-250 | 170 | | 2 | 2 | 3 | 4 | | | 0,5 | 1,5 | 1,5 | 2,5 | |
| 2,684 t/m ³ | H24/34 (G21) | | 210-250 | 140 | | 3 | 5 | 6 | 8 | | | 0,5 | 1,5 | 1,5 | 2,5 | |
| | H16 (F23) | | 230-270 | 200 | | 1 | 2 | 3 | 3* | | | 1,0 | 1,5 | 2,0 | | |
| | H26/36 (G23) | | 230-270 | 170 | | 3 | 4 | 5 | | | | 1,0 | 1,5 | 2,0 | | |
| | H18 (F26) | | 255 | 230 | | 1 | 2 | | | | | | | | | |
| | H28/38 | | 255 | 200 | | 2 | 3 | 3 | | | | | | | | |
| 5052 | 0/H111 (W17) | | 170-215 | 65 | | 12 | 14 | 16 | 18 | 19 | | 0 | 0 | 0,5 | 1,0 | 2,0 |
| (Al Mg2,5) | H12 (F21) | | 210-260 | 160 | | 4 | 5 | 6 | 8 | | | | | | | |
| | H22/32 (G21) | | 210-260 | 130 | | 5 | 6 | 7 | 10 | | | 0,5 | 1,0 | 1,5 | 1,5 | |
| Dichte: | H14 (F23) | | 230-280 | 180 | | 3 | 3 | 4 | 4 | | | | | | | |
| 2,674 t/m ³ | H24/34 (G23) | | 230-280 | 150 | | 4 | 5 | 6 | 7 | | | 0,5 | 1,5 | 2,0 | 2,5 | |
| | H16 (F25) | | 250-300 | 210 | | 2 | 3 | 3 | 3 | | | | | | | |
| | H26/36 (G25) | | 250-300 | 180 | | 3 | 4 | 5 | 6 | | | 1,5 | 2,0 | 3,0 | 3,5 | |
| | H18 (F27) | | 270 | 240 | | 1 | 2 | 2 | | | | | | | | |
| | H28/38 | | 270 | 210 | | 3 | 3 | | | | | | | | | |
| 5454 | 0/H111 | | 215-275 | 85 | | 12 | 13 | 15 | 17 | 18 | | 0,5 | 0,5 | 1,0 | 1,5 | 2,5 |
| (Al Mg3 Mn) | H12 | | 250-305 | 190 | | 3 | 4 | 5 | 6 | | | | | | | |
| | H22/32 (G25) | | 250-305 | 180 | | 5 | 6 | 7 | 8 | | | 0,5 | 1,0 | 2,0 | 2,5 | |
| Dichte: | H14 | | 270-325 | 220 | | 2 | 3 | 3 | 4 | | | | | | | |
| 2,682 t/m ³ | H24/34 (G27) | | 270-325 | 200 | | 4 | 5 | 6 | 7 | | | 1,0 | 2,0 | 2,5 | 3,0 | |
| | H26/36 | | 290-345 | 230 | | 3 | 3 | 4 | | | | | | | | |
| | H28/38 | | 310 | 250 | | 3 | 3 | | | | | | | | | |
| 5754 | 0/H111 (W19) | | 190-240 | 80 | | 12 | 14 | 16 | 18 | 18 | | 0 | 0,5 | 1,0 | 1,0 | 2,0 |
| (Al Mg3) | H12 (F22) | | 220-270 | 170 | | 4 | 5 | 6 | 7 | | | | | | | |
| | H22/32 (G22) | | 220-270 | 130 | | 7 | 8 | 10 | 11 | | | 0,5 | 1,0 | 1,5 | 1,5 | |
| Dichte: | H14 (F24) | | 240-280 | 190 | | 3 | 3 | 4 | 4 | | | | | | | |
| 2,671 t/m ³ | H24/34 (G24) | | 240-280 | 160 | | 6 | 6 | 7 | 8 | | | 1,0 | 1,5 | 2,0 | 2,5 | |
| | H16 (F27) | | 265-305 | 220 | | 2 | 3 | 3 | 3 | | | | | | | |
| | H26/36 (G27) | | 265-305 | 190 | | 4 | 4 | 5 | | | | 1,5 | 2,0 | 3,0 | | |
| | H18 (F29) | | 290 | 250 | | 1 | 2 | 2 | | | | | | | | |
| | H28/38 | | 290 | 230 | | 3 | 3 | | | | | | | | | |

Mit * gekennzeichnete Werte gelten nur für Materialdicken über 3,0 - 4,0mm

Mechanische Kennwerte für walzblankes Aluminium-Halbzeug

| Legierungs- bezeichnung | Kurzzeichen für Zustand EN 512 (DIN) | | Festigkeitswerte EN 485-2 Zugfestigkeit R _m (MPa) min.-max. | Dehngrenze R _{p0,2} (MPa) min.-max. | Bruchdehnung min. A ₅₀ (%) für Nenndicke | | | | | | min. Biegeradiusfaktor F bei 90° (Radius=F x Materialdicke) für Nenndicke | | | | | |
|----------------------------------------------------------------------------|--------------------------------------------|----------|------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|-----|-----|-----|-----|------|---------------------------------------------------------------------------------|-----|-----|-----|-----|------|
| | | | | | Über | 0,2 | 0,5 | 1,5 | 3,0 | 6,0 | Über | 0,2 | 0,5 | 1,5 | 3,0 | 6,0 |
| EN AW EN 573-3 | | | | | Über | 0,2 | 0,5 | 1,5 | 3,0 | 6,0 | Über | 0,2 | 0,5 | 1,5 | 3,0 | 6,0 |
| | | | | | bis | 0,5 | 1,5 | 3,0 | 6,0 | 10,0 | bis | 0,5 | 1,5 | 3,0 | 6,0 | 10,0 |
| (angegebene Maximaldicken entsprechen nicht immer den Liefermöglichkeiten) | | | | | | | | | | | | | | | | |
| 5086 | 0/H111 | (W24) | 240-310 | 100 | | 11 | 12 | 13 | 15 | 17 | | 0,5 | 1,0 | 1,0 | 1,5 | 2,5 |
| (Al Mg4) | H116 | | 275 | 195 (4-6 mm) | | -- | -- | -- | 9 | | | | | | 2,5 | |
| | H12 | (F28) | 275-335 | 200 | | 3 | 4 | 5 | 6 | | | | | | | |
| Dichte: | H22/32 | (G28) | 275-335 | 185 | | 5 | 6 | 7 | 8 | | | 0,5 | 1,5 | 2,0 | 2,5 | |
| 2,657 t/m ³ | H14 | | 300-360 | 240 | | 2 | 3 | 3 | 3 | | | | | | | |
| | H24/34 | (G30) | 300-360 | 220 | | 4 | 5 | 6 | 7 | | | 1,0 | 2,0 | 2,5 | 3,5 | |
| | H16 | | 325-385 | 270 | | 1 | 2 | 2 | | | | | | | | |
| | H26/36 | | 325-385 | 250 | | 2 | 3 | 3 | 3* | | | | | | | |
| | H18 | | 345 | 290 | | 1 | 1 | 1 | | | | | | | | |
| 5182 | 0/H111 | | 255-315 | 110 | | 11 | 12 | 13 | | | | | | | | |
| (Al Mg4,5 Mn0,4) | H19 | | 380 | 320 | | 1 | 1 | | | | | | | | | |
| Dichte: 2,646 t/m ³ | | | | | | | | | | | | | | | | |
| 5083 | 0/H111 | (W28) | 275-350 | 125 | | 11 | 12 | 13 | 15 | 16 | | 0,5 | 1,0 | 1,0 | 1,5 | 2,5 |
| (Al Mg4,5 Mn0,7)) | H16 | | 305 | 215 (4-6 mm) | | -- | -- | -- | 10 | | | | | | 2,5 | |
| | H12 | | 315-375 | 250 | | 3 | 4 | 5 | 6 | | | | | | | |
| Dichte: | H22/32 | (G31) | 305-380 | 215 | | 5 | 6 | 7 | 8 | | | 0,5 | 1,5 | 2,0 | 2,5 | |
| 2,657 t/m ³ | H14 | | 340-400 | 280 | | 2 | 3 | 3 | 3 | | | | | | | |
| | H24/34 | (G35) | 340-400 | 250 | | 4 | 5 | 6 | 7 | | | 1,0 | 2,0 | 2,5 | 3,5 | |
| | H16 | | 360-420 | 300 | | 1 | 2 | 2 | 2 | | | | | | | |
| | H26/36 | | 360-420 | 280 | | 2 | 3 | 3 | 3 | | | | | | | |
| 8011A | 0/H111 | (W8) | 80-130 | 30 | | 19 | 21 | 24 | 25 | 30 | | | | | | |
| (Al Fe Si -A) | H22 | | 105-145 | 90 | | 4 | 5 | 6 | | | | | | | | |
| | H14 | (F13) | 125-165 | 110 | | 2 | 3 | 3 | 4 | | | | | | | |
| Dichte: | H24 | (G13) | 125-165 | 100 | | 3 | 4 | 5 | 6 | | | | | | | |
| 2,713 t/m ³ | H16 | | 145-185 | 130 | | 1 | 2 | 3 | 3* | | | | | | | |
| | H26 | | 145-185 | 120 | | 2 | 3 | 4 | | | | | | | | |
| | H18 | (F17) | 165 | 145 | | 1 | 2 | | | | | | | | | |
| 6061 | 0 | (W) | -- 150 | -- 85 | | | 16 | 19 | | | | 0,5 | 1,0 | | | |
| (Al Mg1 Si Cu) | T4 | (F21) | 205 -- | 110 (ab 0,6 mm) | | | 12 | 14 | | | | 1,0 | 1,5 | | | |
| Dichte: 2,701 t/m ³ | T6 | (F29) | 290 -- | 240 (ab 0,6 mm) | | | 6 | 7 | | | | 2,5 | 3,5 | | | |
| 6082 | 0 | (W) | -- 150 | -- 85 | | | 14 | 16 | | | | 0,5 | 1,0 | | | |
| (Al Si Mg Mn) | T4 | (F21) | 205 -- | 110 (ab 0,6 mm) | | | 12 | 14 | | | | 1,5 | 2,0 | | | |
| Dichte: 2,702 t/m ³ | T6 | (F30/32) | 310 -- | 260 (ab 0,6 mm) | | | 6 | 7 | | | | 2,5 | 3,5 | | | |

Mit * gekennzeichnete Werte gelten nur für Materialdicken über 3,0 - 4,0mm

Wärmeausdehnung

Die Wärmeausdehnung von Aluminium im Temperaturbereich von 20 bis 100°C beträgt z.B. für AW 5005 (Al Mg1) 0,0236 mm und bei AW 5083 (Al Mg4,5 Mn0,7) 0,0242 mm pro Meter und pro Grad Temperaturdifferenz.

Elastizitätsmodul

Das E-Modul von Aluminium beträgt ca. 70.000 MPa.