

Mechanische eigenschappen

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|---------------------------------|---------------|----------------------|--------------------------|-------------------|-----------------------------|-----------------|-------------------------------|--|---------------------------------------|
| Wals legeringen | | | | | | | | | |
| Legering | Legeringsnaam | Treksterkte RM N/MM2 | Vloeisterkte RO0,2 N/MM2 | Rek tot breuk A5% | Elasticiteits module KN/MM2 | Hardheid Brinel | Warmte geleidbaarheid W/M.K-1 | Warmte uitzettings coëfficiënt X10-6/C | Elektrische geleidbaarheid M/OHN.MM-2 |
| 1050A | Al99,5 | 65-95 | 20 | 20-35 | 70 | 20 | 210-220 | 23,5 | 34-36 |
| 2017A | AlCu4MgSi(A) | 360-390 | 240-245 | 16-14 | 70 | 105-110 | 180-200 | 23 | 18-28 |
| 2024 | AlCu4Mg1 | 380-440 | 270-290 | 7-14 | 70 | 115-123 | 130-150 | 22,9 | 18-21 |
| 2618A | AlCu2Mg1,5Ni | 380 | 300 | 6 | 72 | 105 | 142 | 23 | 22,2 |
| 5754 | AlMg3 | 190-240 | 80 | 12 | 70 | 50 | 140-160 | 23,9 | 20-23 |
| 5083 | AlMg4,5Mn | 270-275 | 115-125 | 15-16 | 70 | 73-75 | 110-140 | 24,2 | 16-19 |
| 6061 | AlMg1SiCu | 265-290 | 230-240 | 4-10 | 70 | 81-88 | 170-200 | 23 | 22-30 |
| 6082 | AlMgSi1 | 275-310 | 240-260 | 6-10 | 70 | 84-94 | 170-220 | 23,4 | 24-32 |
| 7019 Unidal | AlZn4Mg2Mn | 390-420 | 330-370 | 8-13 | 71 | 125-130 | 135-150 | 23,6 | 19-23 |
| 7020 | AlZn4,5Mg1 | 330-350 | 260-280 | 7-10 | 70 | 98-104 | 130-160 | 23,1 | 19-23 |
| 7022 | AlZn5Mg3Cu | 490-555 | 400-495 | 6-9 | 72 | 165-170 | 120-150 | 23,6 | 18-22 |
| 7075 | AlZn5,5MgCu | 360-540 | 220-460 | 1-6 | 71 | 104-160 | 130-160 | 23,4 | 19-23 |
| Gegoten legeringen | | | | | | | | | |
| 5083 Elox Toolingplate | AlMg4,5Mn | 230-260 | 110-130 | 10-15 | 70 | 68-73 | 110-130 | 23,3 | 16-18 |
| 7021/C330 Toolingplate | AlZn5,5Mg1,5 | 320-380 | 290-340 | 2,5-4,5 | 70 | 110-120 | 125-155 | 23 | 21-24 |
| 5083/C210 gegoten, ruw | AlMg4,5Mn | 230-290 | 110-130 | 10-15 | 70 | 68-75 | 110-130 | 23,3 | 16-18 |
| 7021/C330 gegoten, ruw | AlZn5,5Mg1,5 | 320-380 | 290-340 | 2,5-4,5 | 70 | 110-120 | 125-155 | 23 | 21-24 |
| 5083/C210 gegoten, ruw PWT beh | AlMg4,5Mn | 250-280 | 115-130 | 18-25 | 70 | 75-80 | 110-130 | 23,3 | 16-18 |
| 7021/C330 gegoten, ruw PWT beh. | AlZn5,5Mg1,5 | 350-370 | 290-330 | 5-8 | 70 | 110-115 | 125-155 | 23 | 21-24 |