

Material data sheet 3.1355 / EN AW 2024

Chemical composition to DIN EN 573-3 [in % of the mass, rest Al]

| % | Si | Fe | Cu | Mn | Mg | Cr | Ni | Zn | Ti | Ga | V |
|------|------|------|------|------|------|------|----|------|------|----|---|
| min. | - | - | 3,80 | 0,30 | 1,20 | - | - | - | - | - | - |
| max. | 0,50 | 0,40 | 4,90 | 0,90 | 1,80 | 0,10 | - | 0,25 | 0,10 | - | - |

Mechanical properties to DIN EN 754-2 / drawn tubes

| Temper | Wall thickness t mm | R_m MPa | | $R_{p0.2}$ MPa | | A % | $A_{50\text{ mm}}$ % | HBW typical value |
|------------------|-----------------------------|--------------|------|-------------------|------|--------|-------------------------|-------------------------|
| | | min. | max. | min. | max. | | | |
| O, H111 | ≤ 20 | - | 240 | - | 140 | 12 | 10 | 47 |
| T3 | ≤ 5 | 440 | - | 290 | - | 10 | 8 | 120 |
| | $5 < t \leq 20$ | 420 | - | 270 | - | 10 | 8 | 120 |
| T3510 / T3511 | ≤ 20 | 420 | - | 290 | - | 8 | 6 | 120 |

Mechanical properties to DIN EN 755-2 / extruded tubes

| Temper | Wall thickness t mm | R_m MPa | | $R_{p0.2}$ MPa | | A % | $A_{50\text{ mm}}$ % | HBW typical value |
|--------------------|-----------------------------|--------------|------|-------------------|------|--------|-------------------------|-------------------------|
| | | min. | max. | min. | max. | | | |
| O, H111 | ≤ 30 | - | 250 | - | 150 | 12 | 10 | 47 |
| T3, T3510 T3511 | ≤ 30 | 420 | - | 290 | - | 8 | 6 | 120 |
| T4, T4510 T4511 | ≤ 30 | 455 | - | 380 | - | 5 | 4 | 130 |

(No responsibility is accepted for the accuracy of this information)

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