

# Alloy 6060

6000 series | Reference sheet | Data checked 14 October 2026

An extrusion grade selected for visible architectural profiles and heat sinks, with decorative anodizing response and strength below 6063 in Hydro’s comparison.

Scope: Selected extrusion facts; single manufacturer source; no design allowables or full composition table.

This reference sheet is not a material certificate, procurement specification or source of design allowables. Values apply only to their listed form, temper and condition. Confirm current requirements with the supplier and governing standard.

## Forms and tempers

Forms: Extruded profiles

Tempers in record: T4, T5, T6, T64, T66

## Selected physical properties

Thermal conductivity: 200 W/(m·K)

Temper: T6 | Form: Extruded products | Condition: 20 °C; typical reference property

Basis: typical | Verification: single-source | Source: hydro6060rev4 | Checked: 2026-10-14

## Selected mechanical properties

T4 | Extruded profile

| Tensile strength | Yield / proof strength | Thickness / specimen scope |
|------------------|------------------------|----------------------------|
| 120 MPa          | 60 MPa                 | ≤25 mm                     |

Condition: EN 755-2:2016 reference minima as reproduced by Hydro; press quenching permitted for these tempers; specimen and mixed-wall rules apply

Basis: source-minimum | Verification: single-source | Source: hydro6060rev4 | Checked: 2026-10-14

T6 | Extruded profile

| Tensile strength | Yield / proof strength | Thickness / specimen scope |
|------------------|------------------------|----------------------------|
| 190 MPa          | 150 MPa                | ≤5 mm                      |

Condition: EN 755-2:2016 reference minima as reproduced by Hydro; press quenching permitted for these tempers; specimen and mixed-wall rules apply

Basis: source-minimum | Verification: single-source | Source: hydro6060rev4 | Checked: 2026-10-14

T6 | Extruded profile

| Tensile strength | Yield / proof strength | Thickness / specimen scope |
|------------------|------------------------|----------------------------|
| 170 MPa          | 140 MPa                | >5-25 mm                   |

Condition: EN 755-2:2016 reference minima as reproduced by Hydro; press quenching permitted for these tempers; specimen and mixed-wall rules apply

Basis: source-minimum | Verification: single-source | Source: hydro6060rev4 | Checked: 2026-10-14

T66 | Extruded profile

| Tensile strength | Yield / proof strength | Thickness / specimen scope |
|------------------|------------------------|----------------------------|
| 215 MPa          | 160 MPa                | ≤5 mm                      |

Condition: EN 755-2:2016 reference minima as reproduced by Hydro; press quenching permitted for these tempers; specimen and mixed-wall rules apply

Basis: source-minimum | Verification: single-source | Source: hydro6060rev4 | Checked: 2026-10-14

## Alloy 6060 / Composition and sources

### Selected chemistry

| Element | Published limit / value | Provenance                                                                                              |
|---------|-------------------------|---------------------------------------------------------------------------------------------------------|
| Si      | 0.3-0.6 wt %            | Basis: composition-limit   Verification: single-source   Source: hydro6060rev4  <br>Checked: 2026-10-14 |
| Mg      | 0.35-0.6 wt %           | Basis: composition-limit   Verification: single-source   Source: hydro6060rev4  <br>Checked: 2026-10-14 |

This is selected chemistry, not a complete composition specification. Unlisted elements must not be assumed to be zero.

### Applications and selection guidance

Applications: Door and window frames; Heat sinks; Railings and furniture

Specify wall thickness and temper together. Hydro applies the lowest applicable mechanical requirement to a profile containing multiple thickness bands; T64 is identified as bending quality.

### Source register

hydro6060rev4 | Hydro • EN AW-6060 extruded products

Revision / access scope: Rev.4, March 2023 | Checked: 2026-10-14

<https://www.hydro.com/globalassets/08-about-hydro/hydro-worldwide/austria/nenzing/alloy-data-sheets/hydro-en-aw-6060.pdf>

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