

Alloy 1100

1000 series | Reference sheet | Data checked 14 October 2026

A commercially pure aluminium designation with 99.0% minimum aluminium in the cited reference. Product-specific condition is essential when interpreting its properties.

Scope: Selected reference facts; incomplete alloy coverage

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; Rod and bar; Tube

Tempers in record: H112

Selected physical properties

Density: 0.098 lb/in³

Temper: Not specified | Form: Extrusion | Condition: Temperature not specified

Basis: typical | Verification: single-source | Source: hydro1xxx | Checked: 2026-10-14

Selected mechanical properties

H112 | Extrusion

Tensile strength	Yield / proof strength	Thickness / specimen scope
75 MPa	20 MPa	All thicknesses in cited supplier table

Condition: Supplier reference; not a design allowable or certificate.

Basis: source-minimum | Verification: single-source | Source: hydro1xxx | Checked: 2026-10-14

Alloy 1100 / Composition and sources

Selected chemistry

Element	Published limit / value	Provenance
Al	Minimum 99 wt %	Basis: composition-minimum Verification: single-source Source: hydro1xxx 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:

The cited H112 row concerns an extruded condition. Do not substitute it for rolled-sheet values. Confirm strength and dimensional requirements for the actual supplied form.

Source register

hydro1xxx | Hydro 1xxx extrusion data

Revision / access scope: 2019/01 (February 2019) | Checked: 2026-10-14

https://www.hydro.com/globalassets/01-products--services/extruded-profiles/americas/ena-resources/alloy-data-sheets/hydro_2019_data_sheet_1xxx.pdf

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