

Alloy 1350

1000 series | Reference sheet | Data checked 14 October 2026

A commercially pure aluminium designation with 99.5% 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: H111

Selected physical properties

Density: 0.0975 lb/in³

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

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

Electrical conductivity: 61 % IACS

Temper: H111 | Form: Extrusion | Condition: 20 °C

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

Selected mechanical properties

H111 | Extrusion

Tensile strength	Yield / proof strength	Thickness / specimen scope
60 MPa	25 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 1350 / Composition and sources

Selected chemistry

Element	Published limit / value	Provenance
Al	Minimum 99.5 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:

An electrical-conductor grade referenced in H111 extrusions. Conductivity, section geometry, connections and service temperature all belong in an electrical design review.

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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