

Alloy 2219

2000 series | Reference sheet | Data checked 14 October 2026

A copper-containing aluminium alloy referenced for aerospace tank applications. The supplied temper and fabrication condition determine how reference data should be used.

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: Sheet, coil and plate

Tempers in record: T351, T851

Selected physical properties

Density: 2840 kg/m³

Temper: Not specified | Form: Sheet, coil, plate | Condition: 20 °C

Basis: typical | Verification: single-source | Source: kaiser2219 | Checked: 2026-10-14

Selected mechanical properties

T351 | Sheet, coil, plate

Tensile strength	Yield / proof strength	Thickness / specimen scope
359 MPa	248 MPa	Longitudinal; 0.500 inch diameter specimen; thickness unspecified

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

Basis: typical | Verification: single-source | Source: kaiser2219 | Checked: 2026-10-14

T851 | Sheet, coil, plate

Tensile strength	Yield / proof strength	Thickness / specimen scope
455 MPa	352 MPa	Longitudinal; 0.500 inch diameter specimen; thickness unspecified

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

Basis: typical | Verification: single-source | Source: kaiser2219 | Checked: 2026-10-14

Alloy 2219 / Composition and sources

Selected chemistry

No chemistry values published in this partial record.

Applications and selection guidance

Applications:

The supplier identifies welding applications, but a finished welded assembly requires its own procedure and property assessment. The chemistry header contains an ambiguous element label, so no composition table is inferred.

Source register

kaiser2219 | Kaiser 2219 sheet, coil and plate

Revision / access scope: 05/06 | Checked: 2026-10-14

https://online.kaiseraluminum.com/depot/PublicProductInformation/Document/1014/Kaiser_Aluminum_2219_Sheet_Coil_and_Plate.pdf

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