

Alloy 2011

2000 series | Reference sheet | Data checked 14 October 2026

A free-machining aluminium rod and bar alloy referenced in T3 and T8 conditions. Machining benefits do not establish suitability for welded assemblies.

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: Rod and bar

Tempers in record: T3, T8

Selected physical properties

No physical property values published in this partial record.

Selected mechanical properties

T3 | Rod and bar

Tensile strength	Yield / proof strength	Thickness / specimen scope
379 MPa	296 MPa	0.500 inch diameter tensile specimen; thickness unspecified

Condition: Supplier reference; not a design allowable or certificate.
Basis: typical | Verification: single-source | Source: kaiser2011 | Checked: 2026-10-14

T8 | Rod and bar

Tensile strength	Yield / proof strength	Thickness / specimen scope
407 MPa	310 MPa	0.500 inch diameter tensile specimen; thickness unspecified

Condition: Supplier reference; not a design allowable or certificate.
Basis: typical | Verification: single-source | Source: kaiser2011 | Checked: 2026-10-14

Alloy 2011 / Composition and sources

Selected chemistry

No chemistry values published in this partial record.

Applications and selection guidance

Applications:

The supplier cautions against most welding methods. Review corrosion exposure and the complete chemistry against end-use substance requirements; do not copy a historical product compliance statement as a guarantee for all 2011 stock.

Source register

kaiser2011 | Kaiser 2011 rod and bar

Revision / access scope: KA-RBH-2011-8.10 | Checked: 2026-10-14

https://online.kaiseraluminum.com/depot/PublicProductInformation/Document/1021/Kaiser_Aluminum_Alloy_2011_Hard_Alloy_Rod_and_Bar_Technical_Data.pdf

Source facts are presented in an original editorial layout. Source publications may change; full source tables and imagery are not reproduced. This partial sheet does not imply interchangeability between alloy designations or certification of any supplied product.