

Alloy 4047

4000 series | Reference sheet | Data checked 14 October 2026

A higher-silicon braze-cladding option than 4045 in Gränges' controlled-atmosphere brazing product range.

Scope: Selected clad-layer chemistry only; no mechanical or temper pairing established.

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: Braze cladding on rolled products

Tempers in record:

Selected physical properties

No physical property values published in this partial record.

Selected mechanical properties

No mechanical values published in this partial record.

Alloy 4047 / Composition and sources

Selected chemistry

Element	Published limit / value	Provenance
Si	11-13 wt %	Basis: composition-limit Verification: single-source Source: granges-braze2022 Checked: 2026-10-14
Mg	Maximum 0.1 wt %	Basis: composition-limit Verification: single-source Source: granges-braze2022 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: Brazed heat exchangers

Specify the complete laminate and brazing process. The clad designation does not establish the core strength or a standalone sheet temper; welding-wire properties are outside this record's scope.

Source register

granges-braze2022 | Gränges • Rolled products for brazed heat exchangers

Revision / access scope: August 2022 | Checked: 2026-10-14

https://www.granges.com/globalassets/03.-marknader-och-produkter/03.-europe/02.-finspang/granges_produktbroschyr_hex.pdf

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