

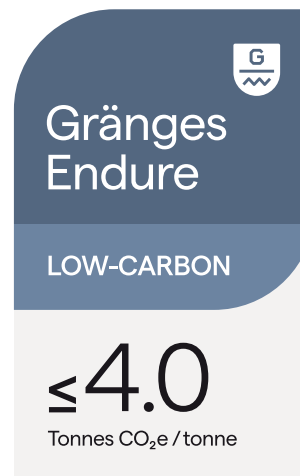
Gränges Endure 5801



5801 is an innovative, high-performance aluminium alloy designed by Gränges for high-pressure resistance closures production. With its reliable strength and forming properties, it offers the ideal composition and production technology for the demanding lacquering processes in the packaging industry.

As part of the Gränges Endure brand, 5801 combines excellent mechanical properties with third-party verified sustainability. The alloy ensures reliable high-pressure cap production and demanding lacquering processes, while supporting the shift toward low-impact, circular packaging – without compromising manufacturing efficiency or quality.

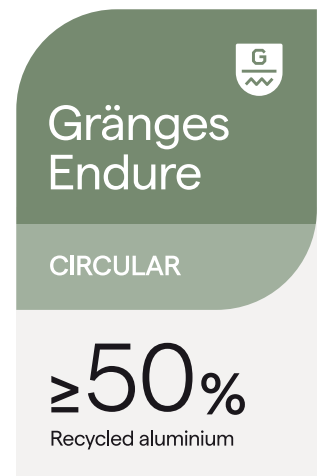
Engineered for precision and designed for sustainability, Gränges Endure 5801 is the ideal choice for closure manufacturers seeking both high technical performance and environmental responsibility.



Gränges Endure

LOW-CARBON

≤4.0
Tonnes CO₂e / tonne



Gränges Endure

CIRCULAR

≥50%
Recycled aluminium

Gränges Endure 5801 meets the following criteria:

- Carbon footprint below 4.0 tCO₂e/t, cradle-to-gate
- Recycled aluminium content above 50%
- Third-party verified carbon footprint, responsible sourcing and production practices

Technical features



Designed for high-pressure closures enables safe forming of caps resistant to internal pressure



Enhanced mechanical properties outperforms standard alloys such as EN AW-8011A



Excellent varnish adhesion ensures reliable coating quality



Low anisotropy (low earing) minimizes scrap rate in deep drawing

Fe	Si	Cu	Zn	Ti	Mg	Mn	Cr
0.1–0.4	0.75–1.10	0.05–0.35	0.15	0.010–0.15	0.8–1.2	0.25–0.65	0.03–0.2
Delivery condition				After painting simulation (205°C/20min)			
Temper	R _m [MPa]	R _{p02} [MPa]	A ₅₀ [%]	Earing [%]	R _m [MPa]	R _{p02} [MPa]	A ₅₀ [%]
H14	135–165	min. 120	min. 2	max. 1.7	125–160	min. 100	min. 3



Gränges Endure

Infinite by nature. Sustainable by design.

The premium choice for sustainable aluminium

Gränges Endure is our product brand for aluminium solutions that combine the highest technical and sustainability performance. Built on deep engineering expertise and third-party verified data, these products reflect our commitment to helping customers meet demanding product specifications and support the shift to circular, low-carbon materials.

Choosing Gränges Endure is a win-win

Gränges Endure combines the highest technical and sustainable performance, making it a strong fit for demanding industries such as automotive, packaging, and HVAC. Our most sustainable solutions support your transition to low-carbon, circular solutions – and help you respond to growing end-customer and industry demands. Designed to meet strict requirements for lifecycle performance, traceability, and recyclability, Gränges Endure strengthens the overall sustainability profile of the final product.

A partnership to grow with

We work closely with our customers to deliver high-quality aluminium solutions tailored to each end-product specification. With local presence and global capabilities, we support regional supply chains and offer the responsiveness and reliability to help your business grow – today and over time.



Benefits of Gränges Endure:

- ✓ Carbon footprint below 4.0 tCO₂e/t, cradle-to-gate
- ✓ Recycled aluminium content above 50%
- ✓ Third-party verified carbon footprint, responsible sourcing and production practices

Let's talk!

Contact us to learn more about our sustainable aluminium solutions and how we can support your goals. Visit granges.com/granges-endure

