

# Gränges Endure 5754



5754 is a versatile, high-performance, sustainable aluminium alloy designed for strength-critical applications in automotive, ship building, building and construction, road signs, and protective anodizing.

As part of the Gränges Endure brand, 5754 combines proven mechanical performance with third-party verified sustainability. It meets demanding requirements for forming, strength, and corrosion resistance – including intergranular corrosion – while supporting the shift toward more circular, low-impact solutions. In soft tempers, it offers excellent formability for stamping and deep drawing; in harder tempers, it delivers the strength needed for structural use.

Engineered for precision and designed for sustainability, Gränges Endure 5754 is the ideal choice for manufacturers seeking both technical performance and responsibility.



#### Gränges Endure 5754 meets the following criteria:

- Carbon footprint below 4.0 tCO<sub>2</sub>e/t, cradle-to-gate
- Recycled aluminium content above 50%
- Third-party verified carbon footprint, responsible sourcing and production practices

## Technical features



**Excellent mechanical properties** provide stable performance during processing



**Good plasticity** enables easy forming of complex shapes



**Easily welded** – supports efficient integration in multi-material assemblies



**Very good corrosion resistance** – protects reliably in demanding environments

Fe	Si	Cu	Zn	Ti	Mg	Mn	Cr	Other
0.40	0.40	0.10	0.20	0.15	2.6–3.6	0.50	0.30	0.10–0.6 Mn+Cr
<b>Generic physical properties</b>						<b>Mechanical properties**</b>		
Density [g/cm <sup>3</sup> ]	Electrical conductivity [MS/m]	Thermal conductivity [W/m·K]	Melting point [°C]	Corrosion IGC* [mg/cm <sup>2</sup> ]		R <sub>m</sub> [MPa]	R <sub>p02</sub> [MPa]	A <sub>50</sub> [%]
2.66	19–23	140–160	600	max. 2.0	H14	240–280	min. 190	min. 4
					H18	min. 290	min. 250	min. 2
					H22	220–270	min. 130	min. 8
					O/H111	190–240	min. 80	min. 14

\* Delivery state – temper O

\*\* Full range of mechanical properties in EN 485-2



## 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 tCO<sub>2</sub>e/t, cradle-to-gate
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#### 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](http://granges.com/granges-endure)

