

Aluminium is an ideal material for food packaging as it provides a lightweight and complete barrier between the packaged goods and the outside world.



That barrier blocks light, liquids, oxygen, micro-organisms and other substances which can affect the taste or smell of packaged goods. Thanks to its excellent mechanical properties, aluminium is an easy material to manufacture.

Aludium's products for food cans are optimised for the individual forming processes of our customers. Our continuous annealing line guarantees perfectly uniform forming behaviour along and across the sheet.

With their high-quality surface, goods packaged in aluminium stand out on the shelf. Aludium's aluminium grades for food cans are finished on unique production lines to guarantee the adhesion and corrosion resistance of the coatings applied by our customers.

### **Continued innovation**

Thanks to our dedicated Cindal R&D Centre and its highly experienced people, Aludium can help our customers develop new and innovative products. Many of our existing customers have reaped the rewards of a co-engineering partnership with Cindal R&D, or taken advantage of the vast training program Aludium offers its customers.



## Technical data

<b>Alloys</b>	3004, 3104, 5052
<b>Temper</b>	H1x, H2x
<b>Thickness [mm]</b>	0.18 to 0.35
<b>Format</b>	Coil, Sheet
<b>Width [mm]</b>	800 to 1250 in coil, 500 to 1250 in sheet
<b>Length [mm]</b>	500 to 1100 (specific lengths on request)
<b>Surface</b>	Mill Finish
<b>Finishing</b>	Degreased, pretreated, lubricated

## Standards we meet

Aludium's alloys for food packaging meet (among others) the following standards and regulations for aluminium in contact with food:

- EN 541 Aluminium and aluminium alloys.
- EN 602. Aluminium and aluminium alloys. Wrought Products. Chemical composition of semi-finished products used for the fabrication of articles for use in contact with food-stuff.
- 1935/2004/EC (27 October 2004): EU Framework Regulation on materials and articles intended for food contact.
- (EC) 2023/2006 (22 December 2006): Regulation on good manufacturing practice for materials and articles intended to come into contact with food.
- EN 14287:2005: Aluminium and aluminium alloys - Specific requirements on the chemical composition of products intended to be used for the manufacture of packaging and packaging components.
- European Directive 94/62/CE, Heavy metals content.
- US regulation CONEG, Heavy metals content.
- Lubricants in compliance with FDA CFR 21 N° 178-3910.
- Allergens free (2007/68/EC) (27 November 2007).

## Sustainability for future generations

With recent attention on packaging solutions, aluminium offers distinct advantages thanks to its infinite recyclability and recognition as a permanent material by the European Union. Aluminium is almost endlessly recyclable and using recycled aluminium to produce new metal reduces energy consumption by 95%. These sustainability advantages, combined with aluminium's practical and economic advantages, makes it the first choice for semi-rigid containers.

Compared to alternative materials, aluminium offers the manufacturers of semi-rigid containers a flexible and sustainable choice. Aludium has been a member of the Aluminium Stewardship Initiative (ASI) since 2017.

