

Aludium's offer for semi-rigid containers includes high quality alloys and finishes for a range of packaging solutions.



Why aluminium?

Aluminium containers offer a complete barrier to light, moisture, air, and microbes which can affect the taste, look, or smell of food. For products which require reheating or cooking, aluminium is excellent at conducting heat. It's also suitable for different oven types including microwave and conventional. And although it is lightweight, aluminium is a robust material which can withstand the rigours of transportation across the street or across the world. For brand owners, aluminium is an attractive option as it has excellent decorative potential. In its raw state, aluminium projects a clean and shiny image which can influence consumer confidence in the packaging's contents.

High quality from Aludium

Aludium is renowned in the packaging industry for the high surface quality of its products. We offer a range of alloys from the 3xxx and 8xxx families. They can be supplied with a mill finish surface, lubricated for bare use, or degreased and pretreated ready for painting or lacquering. Aludium's unique production capabilities - which include a continuous annealing line - provide perfect and uniform formability across and along the full coil length and guarantee a fine grain and high elongations.



Technical data

Alloys	3xxx, 8xxx
Temper	O, H1x, H2x
Thickness [µm]	38 to 200
Width [mm]	780 to 1670, with pre-treatment up to 1250
Surface	Mill Finish
Finishing	Degreased, pretreated, lubricated

Aludium's range of food-grade alloys are typically utilised for forming semi-rigid container such as:

- Wrinkled containers for cooking and barbecuing
- Packaging for dairy and sterilised products
- Smooth wall containers for single-serve portions of delicatessen and pet food
- Coffee and tea capsules
- Candle lights

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 to its customers.

Standards we meet

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

- EN 541 Aluminium and aluminium alloys. Foil.
- 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.

