



HENAN FLAIT ALUMINUM CO., LTD.

Flait Aluminum is committed to product R&D, production, sales and service.

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Container Aluminum Foil

Aluminum foil is an important laminated material for food containers and is widely used in food packaging. [Container aluminum foil](#) has a higher barrier function than plastic materials in functions of moisture, oxygen and other gas penetration, aroma volatilization and light blocking.

Aluminum foil for containers is mainly used in food utensils such as fast food restaurants, takeaway fast-dating stores, high-end hotels, aviation tableware, and family kitchens. It has the characteristics of beautiful appearance, convenient use, safety and sanitation, and no odor pollution.

The commonly used aluminum foils for food containers are: 3003 aluminum foil container, 3004 aluminum foil container, 8011 aluminum foil container, 8079 aluminum foil container, 5052 aluminum foil container, 1100 aluminum foil container.

8011 Aluminum foil for containers

8011 Aluminum foil for containers has a smooth surface, good sealing performance, light weight, durability, good barrier properties, which can effectively prevent moisture, oxygen and other gases from entering the packaging, maintaining the freshness and flavor of food. The most important thing is that 8011 aluminum foil is easy to process and can be formed into various shapes. It is perfect for making food containers, safe and healthy. Non-wrinkle aviation lunch box materials can use 8011 aluminum foil.



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3003 Aluminum foil for containers

3003 Aluminum foil for containers has high electrical conductivity, which can minimize the time and energy associated with food processing, refrigeration and reheating, is suitable for high temperature sterilization and heat sealing. 3003 Aluminum foil can be heated in a variety of ways. 3003 Aluminum foil is easy to form and seal, can be painted to ensure food hygiene. 3003-H24 Aluminum foil is a commonly used material for containers. 3003-H24 Aluminum foil is mainly used for food containers, punched food containers, pans, lunch boxes, food packaging, etc.



3004 Aluminum foil for food packaging

3004 Aluminum foil for food packaging and containers. 3004 Aluminum foil container has a beautiful appearance and good thermal conductivity. It can be heated directly on the original packaging with ovens, microwaves, steamers and other kitchen appliances. 3004 Aluminum foil for container has high hardness, good load-bearing, and better stamping effect than 3003 aluminum foil. 3004 Aluminum foil has the price advantage of 8011 aluminum foil and the strength advantage of 3003 aluminum foil.



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Product Specification

Alloy	3003, 3004, 8011, 8079, 8006, 5005, 5052, 1100
Temper	O/HO,H14,H16,H22,H24,H26
Thickness (mm)	0.03-0.20 ($\pm 8\%$)
Width (mm)	100-1600 ($\pm 1\%$)
Coil ID	75mm, 152mm
Coil OD	400-1200
Quality	For high precision aluminum foil: staggered layer ≤ 0.5 , tower shape ≤ 1.0 , pinhole diameter ≤ 0.1
Certificate	SGS, FDA, ISO
Packing	Export standard
Application	Baking/cake/soup/food packing
Sample	Free A4 sample





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Chemical Composition(%)									
Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
3003	0.12	0.7	0.05	1	-	-	0.1	-	98.6
3004	0.3	0.7	0.25	1.3	-	-	0.25	-	98
8011	0.6	0.7	0.1	1	-	-	0.1	-	99
8079	0.05	0.12	0.05	0.05	-	-	0.05	-	99
8006	0.4	0.5	0.1	1	-	-	0.1	-	98
5005	0.23	0.35	0.1	0.2	-	-	0.1	-	99
5052	0.25	0.4	0.1	0.1	2.2	0.15	0.1	-	95.8
1100	0.95	0.6	0.05	-	-	-	0.1	-	99





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Mechanical Properties				
Alloy	Temper	Tensile strength Rm/MPa	Elongation A50mm (%) ≥	Elongation A100mm (%) ≥
3003	O	80-135	-	-
	H12 H22	110-160	10	3
	H14 H24	140-190	1	
	H16 H26	≥170	1	
3004	H19	≥280	-	-
8011 & 8079	O	50-120	15	4
	H22	90-150	6	2
	H14 H24	120-170	5	-





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	H26	140-190	2	-
8006	O	110-140	20	-
	H22 H24	120-150	20	-
	H26	130-160	12	-
5005	O	100-140	-	-
5052	O	175-225	4	-
	H14 H24	250-300	-	-
	H16 H26	≥270	-	-
1100	O	45-115	15	2
	H22	90-135	6	3
	H14 H24	110-160	6	2





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Advantages

1. **Safety.** 8011 aluminum foil is a food contact grade packaging material. It is non-toxic and harmless and has a good guarantee for food safety.
2. **Barrier properties.** Barrier to air, light and moisture, protect the original flavor of food, and extend the shelf life of food.
3. **Good thermal conductivity.** 8011 aluminum foil has good thermal conductivity and can speed up baking and freezing.
4. **Flexible.** Can be molded into different shapes and sizes, and food containers can be mass-produced.
5. **Recyclable.** Aluminum foil container can be recycled and reused, which reduces pollution and saves resources.

Application

Container aluminum foil is used in fast food restaurants, takeaway fast-matching shops, home kitchens, hotels, and service industries related to packaged food.



The above mentioned aluminum product is produced according to national standard specifications. Please contact us for a free quote!

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