

Whatsapp/Telegram: 86 13203837398

Aluminum Sheet Coil for Cap Closure

The main products of aluminum for bottle caps are 1xxx, 3xxx, 8xxx series aluminum alloy plates, including 8011 aluminum plate, 3105 aluminum plate, 1060 aluminum plate, 3104 aluminum plate, 5052 aluminum plate, and so on; tempers are H14, H16, H18, etc.; the thickness is 0.15-0.5; and the width is 200-1600mm.

Aluminum alloy cap material not only has good deep drawing performance, tensile performance, ear forming rate and corrosion resistance, but also has a certain baking strength after multiple color printing and curing. We control the material composition, rolling temperature and time, annealing temperature to produce the best material to meet the performance needs of customers, such as



opening capability and earing rate. Aluminum alloys for cap materials are widely used in cap packaging for various wine bottles, beverage bottles, medicinal bottles, and cosmetics.





Whatsapp/Telegram: 86 13203837398

8011 Aluminum sheet plate for bottle caps

8011 Aluminum sheet plate for bottle caps has good deep drawing performance, low ear making rate, and certain strength after work hardening. Usually 8011 aluminum sheet is used to make ROPP caps, PP caps, anti-theft caps in rolls, anti-theft caps, aluminum bottle caps, aluminum screw caps, tear-off caps, flip caps. In addition, 8011 aluminum sheet is an ideal material for producing PP caps for whiskey and other beverage bottles. 8011 aluminum sheet has light weight, good barrier property and formability.



3105 Aluminum sheet plate for bottle caps



3105 Aluminum sheet plate for bottle caps has good anti-rust performance and good deep drawing effect; the strength, elongation and processing performance of the aluminum plate can meet the high-intensity automatic bottle cap production process, and won't crease or crack during processing. It is very suitable for making bottle caps for wine bottles, beverage bottles, soft drinks, juices, energy drinks and high-end cosmetics. Compared with the 8011 aluminum plate for bottle caps, the 3105 aluminum sheet for screw caps has enough strength and can withstand larger gas pressure. 3105 aluminum sheet is widely used to make screw caps for gas liquid bottle, such as soda water, carbonated wine and champagne. Also, the 3105 aluminum sheet for bottle caps and other bottle caps after being treated with chromium phosphate or DOS coating.



WWW.FLAIT-ALUMINUM.COM



WWW.FLAIT-ALUMINUM.COM

Email:sales@flait-aluminum.com

Whatsapp/Telegram: 86 13203837398

5052 Aluminum sheet strip for bottle caps of cans

5052 Aluminum sheet strip for bottle caps of cans. The hardness of magnesium is better than other alloys, which ensures the good shape of cans during transportation. Also, it is the most widely used rust-proof aluminum. The material of the pull ring can cover is generally processed by 5052 and 5182 aluminum plates, and the pull ring handle is also used 5182 aluminum alloy. 5052/5182-H19 aluminum plate for bottle caps has low density, light weight, smooth surface, good hand feeling, flexible deformation after stamping, and is not easy to crack. The most important thing is that it is environmentally friendly, easy to recycle and reusable.



1060 Aluminum sheet coil for bottle caps



1060 Aluminum sheet coil for bottle caps has high elongation, tensile strength, excellent electrical conductivity, high formability, and can meet processing requirements (stamping, stretching) requirements. The bottle cap is made by combining 1060 aluminum plate and plastic. Since the aluminum-plastic assembly will be in contact with the liquid in the bottle, most of them are used in the cosmetics industry, and some are used in the pharmaceutical industry (sealed caps for injection bottles). 1060-H24 aluminum plate for bottle caps is mainly used for wine, beverages (with or without gas) and medical care products, and can meet the special requirements of high-temperature cooking and sterilization.





Whatsapp/Telegram: 86 13203837398

Product Specification

Cap material (aluminum plate)								
Alloy	1060	8011 3003 3105		5052				
Temper	O,H22	H14,H24,H16,H26,H18	H14,H24,H16,H26,H18	H14,H24,H16,H26,H18	H18,H19			
Thickness	0.15-0.5mm							
Width	500-2500mm							
Rolling Process		CC/DC						
Surface Treatment	 Plain mill finish aluminum strip DOS oil lubricated finish Chromated finish One side golden/white/red/blue/black,etc other colored, other side protective lacquered both sides clear/transparent lacquered 							
Application	Bottle caps, aluminum liquid caps, red wine caps, anti-theft caps,perfume caps, skin care product caps, cosmetic caps, oil caps, aluminum-plastic composite caps for oral liquid,aluminum-plastic caps for infusion bottles, etc.							
Delivery time	25-30 days							
Package	Export package							
Samples	Available							





Whatsapp/Telegram: 86 13203837398

Specification Tolerance Range (mm)						
Thickness	Thickness Tolerance	Width Tolerance		Length Tolerance	Diagonal Tolerance	Flatness
		≤500mm	>500mm	5		
0.15.0.49mm	(1.0.01mm	1.1000	/ L 2mm	0/11mm	<1mm	≤5mm/2m
0.15-0.48mm	-/+ 0.01mm	-/+ IMM	-/+ 2mm	-0/+1mm	211111	<3 waves/m

Chemical Composition Wt(%)									
Alloy	Si	Fe	Cu	Mn	Mg	Zn	Ti	Others	AI
A1060	≤0.25	≤0.35	≤0.05	≤0.03	≤0.03	≤0.05	≤0.03	0.03	Remainer
A8011	0.5-0.9	0.6-1.0	≤0.10	≤0.20	≤0.05	≤0.10	≤0.08	≤0.15	Remainer
A3003	≤0.6	≤0.4	0.05-0.2	1.0-1.5	-	≤0.10	≤0.10	≤0.15	Remainer
A3105	≤0.6	≤0.7	≤0.3	0.3-0.8	0.2-0.8	≤0.40	≤0.10	≤0.15	Remainer
A5052	≤0.25	≤0.4	≤0.1	≤0.1	2.2-2.8	0.1	-	≤0.15	Remainer





Whatsapp/Telegram: 86 13203837398

Mechanical Properties								
Alloy	Temper	Thickness(mm)	Tensile strength(Rm/Mpa)	Elongation(%)	Earing ratio (%)			
1060	0	0.15-0.5	55-95	15	6			
1060	H22	0.4-0.5	75-110	6	5			
8011	H14	0.15-0.5	125-165	2	3			
8011	H16	0.15-0.5	130-165	1	3			
8011	H18	0.2-0.5	≥165	1	3			
3003	H14,H24	0.2-0.5	145-185	2	4			
3003	H16,H26	0.2-0.5	170-210	1	4			
3003	H18	0.15-0.5	≥185	1	4			
3105	H14,H24	0.2-0.5	150-200	2	4			
3105	H16,H26	0.2-0.5	175-225	1	4			
3105	H18	0.2-0.5	≥195	1	4			
5052	H18	0.2-0.5	280-320	3	4			
5052	H19	0.2-0.5	≥285	2	4			





Whatsapp/Telegram: 86 13203837398

Application



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

