

Air Conditioner Aluminum Foil | Hydrophilic Aluminum Foil | Haomei

Haomei [air conditioner aluminum foil](#) including bare aluminum foil and hydrophilic blue and gold aluminum foil, which also called aluminum fin stock foil. Air conditioner aluminum foil is typically to make heat-conducting fins for air-conditioning heat exchange and evaporators for air-conditioning.

The air-conditioning aluminum foil must have good formability, its structure and properties must be uniform, metallurgical defects are small, anisotropy is small, and at the same time high strength, good ductility, uniform thickness and good flatness are required. The early use of air conditioner foil was plain foil. In order to improve the surface properties of plain foil, an anticorrosive inorganic coating and a hydrophilic organic coating are applied before forming to form a hydrophilic foil. In addition, there is a water-repellent foil, which makes the surface of the fins have a water-repellent function and prevents condensed water from adhering.

The surface of the anti-corrosion aluminum foil product has a certain anti-corrosion protection layer. The air-conditioning heat exchange sheet made of the air conditioner aluminum foil can be applied to relatively harsh areas, and the service life of the air conditioner can be significantly improved. At the same time, due to the improvement of the corrosion resistance of the heat exchange sheet, the generation of surface corrosion powder is greatly reduced, thereby improving the ventilation quality and purifying the air in the air conditioning room.

Hydrophilic aluminum foil is generally used on the evaporator of air conditioners, and its surface is highly hydrophilic. Its main function is to make the moisture in the hot air easily spread and spread down the sheet when it condenses into water droplets on the heat exchange sheet. In this way, the ventilation effect of the heat exchange can be prevented from being affected by the "bridge" of water drops between the heat exchange fins, thereby improving the heat exchange rate of the air conditioner and saving electricity under the same cooling capacity.

Specification of air conditioning aluminum foil

Product Name	Air Conditioner Aluminum Foil
Alloy	1100 1200 3102 8011
Temper	H22 H24 H26
Thickness	0.02-0.05mm
Width	200-1450mm
Length/Weight	Customized
Inner Diameter	76mm or 152mm

Core Material	Aluminum or Steel
Packing	Standard wooden cases with no-fumigation
Production Standard	GBT 3198-2010, JIS H 4160-1994, DIN_EN_546-2
Production Capacity	5,000mt per month
Payment Term	T/T, L/C
Lead Time	20-35days
HS Code	760711

Alloy	Temper	Thickness(Mm)	Width (Mm)	I.D.(Mm)	Mechanical Properties		
					Tensile Strength (Mpa)	Elongation(%)	Erichson (IE,Mm)
1100 1200 3102 8011 8006	O	0.08-0.2 (+/-5%)	100-1400 (+/-1)	75/150/ 200/300/505	80-110	≥27	≥6.0
	H22				100-135	≥22	≥5.5
	H24				115-145	≥20	≥5.0
	H26				125-160	≥10	≥4.5
	H18				≥160	≥1	-
Special Specifications Can Be Produced As Per Customer's Requirements							

Chemical Composition % Max.												
Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ni	Ti	Other		Al
										Each	Total	
AA1200	1.00		0.05	0.05	-	-	0.10		0.05	0.05	0.15	99.00
AA3102	0.40	0.70	0.10	0.05-0.4	-	-	0.30		0.10	0.05	0.15	Rest
AA8011	0.5-0.9	0.6-1.0	0.10	0.20	0.05	0.05	-		0.10	0.08	0.15	Rest
AA8006	0.40	1.2-2.0	0.30	0.3-1.0	0.10	-	0.10	0.10	0.05	0.05	0.15	Rest

About Haomei Aluminum

Aluminum Foil Manufacturer

<http://flex-pack.cn/>

1. Full experience in aluminum foil industry;
2. Completed production system with machines Achenbach, KAMPF ect;
3. All certificates are available including SGS-ROHS, SGS-REACH, MSDS, FDA, TDS, ISO9001 & ISO14001 etc.;
4. More than 60 regular customers are working with us;
5. We prefer to provide high quality and good service with high price rather than low quality with low price, that's why we meet here.

Features of hydrophilic aluminum foil

1. Light weight
2. Formability
3. Good high temperature and climate resistance
4. Strong and smooth adhesion
5. Thermal conductivity

Applications of aluminum foil for air conditioner

1. Air conditioning
2. Ventilation systems
3. Heating and cooling systems
4. Thermal rotors
5. Plate heat exchangers
6. Coolers
7. Evaporators
8. Flexible tubes

