

Battery Aluminum Foil | Haomei Aluminium

This [battery aluminum foil](#) is manufactured by Haomei using quality tested aluminum under guidance of adroit professionals with latest innovative techniques. Offered aluminum foil for lithium ion battery is widely demanded among clients due to its fine finish, safe to use and eco-friendly nature.

Haomei mainly supplies 8000 series O temper aluminum foil for battery soft package, which has good deep draw effect, good resistance to electrolyte corrosion and high heat-sealing strength after compounding. And 1000 series H18 temper aluminum foil for lithium battery, which can be used for anode materials of lithium battery after surface corroding & applying LiCoO₂, Li-NiCoMnO₂, LiMn₂O₄ or LiFePO₄. Haomei battery foil is widely used in mobile phone/tablet/model airplane/electric bicycle/electric vehicle lithium battery.

Specification of battery aluminum foil

Use	Battery soft package	Lithium battery
Typical alloy	8021, 8079	1050,1060,1070,1100,1235
Temper	O, H*4, H*8	
Thickness(mm)	0.015-0.2	
Width (mm)	100-1600	
Treatment	mill finish	
Standard	ISO SGS ASTM ENAW	
Price terms	LC/TT/DA/DP	
Packaging	Standard seaworthy export packaging. Wooden pallets with plastics protection.	

Alloy	1235	1145	1060	1070
Temper	H18	H18	H18	H18
Tensile strength	≥150N/mm			
Elongation	≥1%			

Thickness/mm	0.0060	0.0070	0.0080	0.0090	0.010	0.11	0.16
Resistance/ (Ω.m)	0.55	0.51	0.43	0.36	0.32	0.28	0.25

Quality requirements of battery grade aluminum foil

1, the surface of the aluminum foil is uniform, clean and flat, without obvious roller marks, pits, pinholes and corrosion marks;

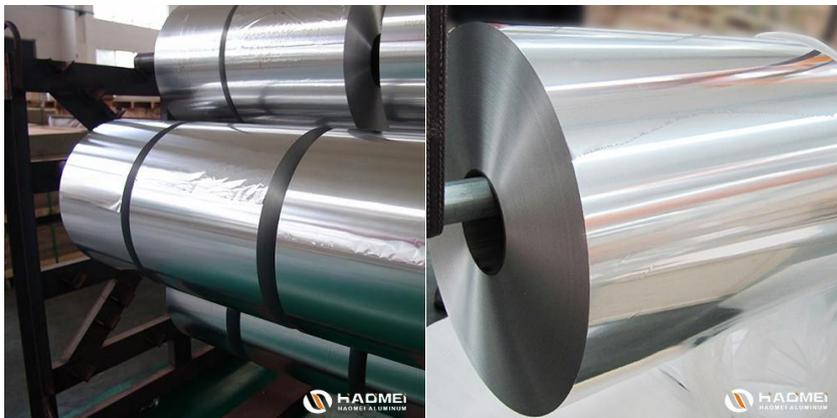
- 2, there are no rolling defects such as creases, mottling and bright lines on the surface of the aluminum foil;
- 3, there is no color difference on the surface of aluminum foil;
- 4, surface is free of oil, no serious oil smell, and no oil spots visible to the naked eye;
- 5, surface tension, the dyne pen test is not less than 32 dyne;

Appearance requirements of aluminum foil for lithium ion battery

- 1, the aluminum foil coil is wound tightly, the end face is flat and clean, and the edge is smooth;
- 2, the wrong layer of aluminum foil shall not exceed $\pm 1.0\text{mm}$;
- 3, the width of the core of the aluminum foil roll is greater than or equal to the width of the foil. Generally, the length of the two ends of the core does not exceed the foil width of 5mm;
- 4, the aluminum foil should be wrapped around the center of the die;
- 5, the joint parts have clear joint marks on the two ends of the aluminum coil.

Characteristics of aluminum foil for battery

high voltage, high capacity, low consumption, no memory effect, no pollution, small volume, small internal resistance, less self-discharge, and more cycles. Due to the above characteristics, lithium ion battery aluminum foil has been widely used in mobile phones, notebook computers, video cameras, digital cameras and many other electronic products.





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Aluminum Foil Manufacturer

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