

Alloy Aluminium Sheet 2024 Cold Drawn 2000 Series For Aerospace

Our Product Introduction

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Basic Information

- Place of Origin: Jiangsu,China
- Brand Name: Chinalco
- Certification: ISO9001
- Model Number: 1000series, 2000series, 3000series, 5000series, 6000series, 7000series
- Minimum Order Quantity: 1 Ton
- Price: Negotiable
- Packaging Details: Exporting package/wooden box package etc
- Delivery Time: 3-15 days
- Payment Terms: L/C, T/T, Western Union
- Supply Ability: 2000 Ton/Tons per Month



Product Specification

- Product Name: Aluminum Sheet Plate
- Standard: GB/T3880;ASTM B209
- Model Number: 1060 1050 3024 3003 5052 5083 6061 6063
- Coating Material: PE/PVDF/SMP Or As Required
- Thickness: 0.6-20mm Or As Required
- Inspection: Accept Third Party Inspection.
- Loading Port: Shanghai Port, Tianjin Port, Qingdao Port Or As Required
- Usage: Body Tank Of Cold Chain Truck,high Speed Rail,aluminum Pull Ring
- Highlight: **Cold Drawn Aluminium Sheet, 2024 Aluminium Sheet, 2000 Series Aluminium Sheet**



Product Description

High Quality Alloy Aluminium Sheet 2024 Cold Drawn 2000 Series For Aerospace

Product Description

2024 aluminum coils and sheets are considered the "aircraft" alloy because of its strength. It is readily formed in the annealed condition and may be subsequently heat treated. 2024 aluminum sheets possess good machinability and can be machined to a high finish. Since corrosion resistance is relatively low, aluminum alloy 2024 is commonly used with an anodized finish or in clad form ("Alclad") with a thin surface layer of high purity aluminum. As an enhanced sheet for fuselage applications, Alclad offers improved fracture toughness and fatigue crack growth while maintaining the strength characteristics of the alloy. 2024 aluminum is often used for applications in the aerospace industry.

Product Name	Aluminium alloy plate sheet
Standard	National standard: 7A09 GB/T3190--2008, Japanese standard: A7075 JIS H4000-1999 JIS H4080-1999
	Tensile strength σ_b (MPa) : 524, Yield strength σ_s (MPa) \geq 455, Hardness: 150HB, Density: 2.81g/cm ³ , Poisson's ratio: 0.33
	Production technology Precision cutting → Surface grinding → cutting → molding
Typical uses	Aerospace industry, blow molding (bottle) mold, ultrasonic plastic welding mold, golf ball head, shoe mold, paper plastic mold, foam molding mold, dewaxing mold, template, fixture, mechanical equipment, mold processing, for the production of high-end aluminum alloy bicycle frame.
Specification	Thickness: 0.6mm-20mm Width: 1250/1500/1520/2000mm Length: 2500/3000/4000mm or as customer's requirement
Export Packing	Standard Seaworthy Package
Loading of Port	Shanghai port, Tianjin Port or as required

Aluminum Grade

1000 Series	Industrial Pure Aluminum(1050,1060 ,1070, 1100)
2000 Series	Aluminum-copper alloys(2024(2A12), LY12, LY11, 2A11, 2A14(LD10), 2017, 2A17)
3000 Series	Aluminum-manganese alloys(3A21, 3003, 3103, 3004, 3005, 3105)
4000 Series	Al-Si alloys(4A03, 4A11, 4A13, 4A17, 4004, 4032, 4043, 4043A, 4047, 4047A)
5000 Series	Al-Mg alloys(5052, 5083, 5754, 5005, 5086,5182)
6000 Series	Aluminum Magnesium Silicon Alloys(6063, 6061, 6060, 6351, 6070, 6181, 6082, 6A02)
7000 Series	Aluminum, Zinc, Magnesium and Copper Alloys(7075, 7A04, 7A09, 7A52, 7A05)

Product Detail



Chemical Composition

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
1050	0.25	0.4	0.05	0.05	0.05	—	0.05	0.03	99.5
1070	0.2	0.25	0.04	0.03	0.03	—	0.04	0.03	99.7
1100	0.95 Si + Fe		0.05-0.20	0.05	—	—	0.1	—	99
2024	0.5	0.5	3.8-4.9	0.30-0.9	1.2-1.8	0.1	0.25	0.15	Rem.
3003	0.6	0.7	0.05-0.20	1.0-1.5	—	—	0.1	—	Rem.
3004	0.3	0.7	0.25	1.0-1.5	0.8-1.3	—	0.25	—	Rem.
3005	0.6	0.7	0.3	1.0-1.5	0.20-0.6	0.1	0.25	0.1	Rem.
5005	0.3	0.7	0.2	0.2	0.50-1.1	0.1	0.25	—	Rem.
5052	0.25	0.4	0.1	0.1	2.2-2.8	0.15-0.35	0.1	—	Rem.
5252	0.08	0.1	0.1	0.1	2.2-2.8	—	0.05	—	Rem.
6061	0.40-0.8	0.7	0.15-0.40	0.15	0.8-1.2	0.04-0.35	0.25	0.15	Rem.
7075	0.4	0.5	1.2-2.0	0.3	2.1-2.9	0.18-0.28	5.1-6.1	0.2	Rem.

Test



Color Coating
Adhesive Force Tets



Color Coating
Adhesive Force Tets-2

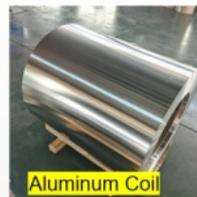


Tensile and
Yield Strength Test



Tensile
Yield And Hardness Test

Recommend Products



Application



2
A
1
2
x
2
x
2
x
0
2
2
4

Aviation aluminum materials are mainly used in aircraft structures (such as skins), aerospace, weapons, engines, pistons, automobile bodies, ship hulls and stressed components



For aerospace



Electrical



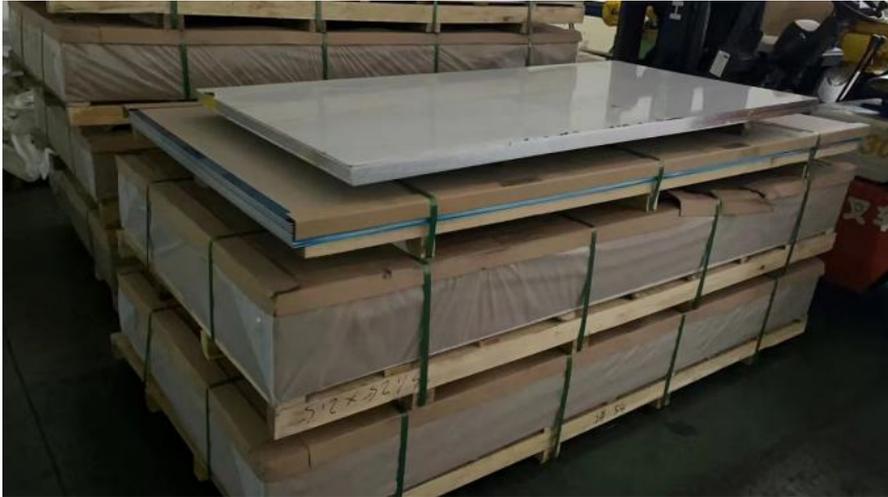
Sign boards



Welding parts

Packing and Shipment





Certification



FAQ

Q:Can you send samples?

A:Of course, we can send samples to all parts of the world, our samples are free, but customers need to bear the courier costs.

Q:What product information do I need to provide?

A:You need to provide the grade, width, thickness, coating and the number of tons you need to purchase.

Q:What are the shipping ports?

A:You can choose other ports according to your needs.



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