



AISI Anodized Aluminium Plate Sheet Polished Surface Flat Magnesium 5000 Series 5083

Our Product Introduction

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: 20000 Ton/Tons per Month



Product Specification

- Product Name: Aluminum Plate
- Model Number: 1050 1060 2024 3003 5083
- Thickness: 0.6-20mm Or As Required
- Trade Terms: FOB CIF CFR EXW
- Port Of Loading: Shanghai Port Or As Required
- Certificate: ISO, SGS, CE, BV Etc.
- Highlight: **20mm 5083 Aluminium Sheet Plate, AISI Anodized Aluminium Plate Sheet, 5083 Aluminium Sheet Plate**



Product Description

5000 Series 5083 AISI Aluminium Plate Sheet Anodized Polished Surface Flat Aluminium Magnesium Alloy

Product Description

Alloy 5083 retains exceptional strength after welding. It has the highest strength of the non-heat treatable alloys with an Ultimate Tensile Strength of 317 MPa or 46000 psi and a Tensile Yield Strength of 228 MPa or 33000 psi. It is not recommended for use in temperatures in excess of 65 °C. Alloy 5083 is also commonly used in cryogenic applications due to it being able to be cooled to -195°C. At this temperature, the alloy has an increase in ultimate tensile strength of 40% and in yield strength of 10% as well as exhibiting excellent fracture toughness at such temperatures.

Item	Aluminum sheet
Grade	5000 Series
Type	Plate
Application	Building
Width	0.3 - 300 mm or as required
Surface Treatment	Mill finish
Alloy Or Not	Is Alloy
Place of Origin	China
	Jiangsu
Model Number	7075,6061,5083 etc.
Tolerance	±1%
Processing Service	Welding, Cutting
Application	Industry, aircraft structures
Surface	Mill, Bright,Polished,Hairline
Standard	ASTM/DIN/GB/SUS
Delivery Condition	Bulk Shipping or Container
Alloy Or Not	Is Alloy
Temper	O-H112

Product Detail



Chemical Composition

GB/T	Chemical Composition(%)								
3190	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
1060	0.25	0.35	0.05	0.03	0.03	-	0.05	0.03	99.6
1100	0.95 Si+Fe		0.05-0.20	0.05	-	-	0.1	-	99
2024	0.5	0.5	3.8-4.9	0.3-0.9	1.2-1.8	0.1	0.25	0.15	Balance
3003	0.6	0.7	0.05-0.20	1.0-1.5	-	-	0.1	-	Balance
5052	0.25	0.4	0.1	0.1	2.2-2.8	0.15-0.35	0.1	-	Balance
5083	0.4	0.4	0.1	0.40-1.0	4.0-4.9	0.05-0.25	0.25	0.15	Balance
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	Balance
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	Balance

Mechanical Character

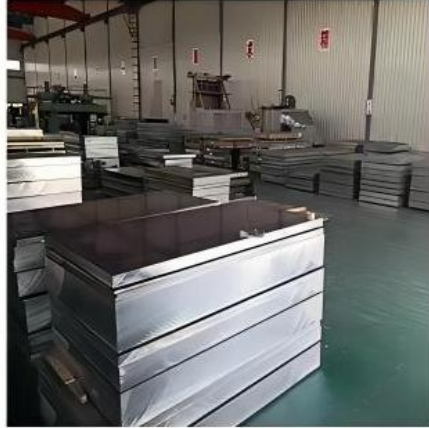
ALUMINUM ALLOY	Grade	Normal Temper	Temper	Tensile Strength N/mm ²	Yield Strength N/mm ²	Elongation %		Brinell Hardness HB
						Plate	Bar	
1XXX	1050	O,H112,H	O	78	34	40	-	20
	1060	O,H112,H	O	70	30	43	-	19
Al-Cu (2XXX)	2019	O,T3,T4,T6,T8	T851	450	350	10	-	-
	2024	O,T4	T4	470	325	20	17	120
Al-Mn (3XXX)	3003		O	110	40	30	37	28
	3004	O,H112,H	O	180	70	20	22	45
Al-Si (4XXX)	4032	O,T6,T62	T6	380	315	-	9	120
Al-Mg (5XXX)	5052	O,H112,H	H34	260	215	10	12	68
	5083	O,H112,H	O	290	145	-	20	-
Al-Mg-Si (6XXX)	6061	O,T4,T6,T8	T6	310	275	12	15	95
	6063	O,T1,T5,T6,T8	T5	185	145	12	-	60
Al-Zn-Mg (7XXX)	7003	T5	T5	315	255	15	-	85
	7075	O,T6	T6	570	505	11	9	150

Application

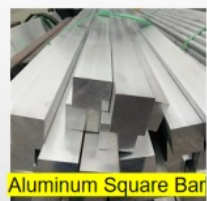
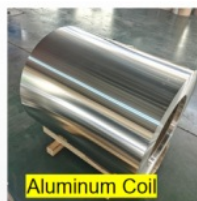
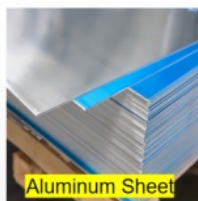
Aluminum sheet or plate is used in various applications, including aerospace, military, transportation, etc. Aluminum sheet or plate is also used for tanks in many food industries, because some aluminum alloys become tougher at low temperatures.



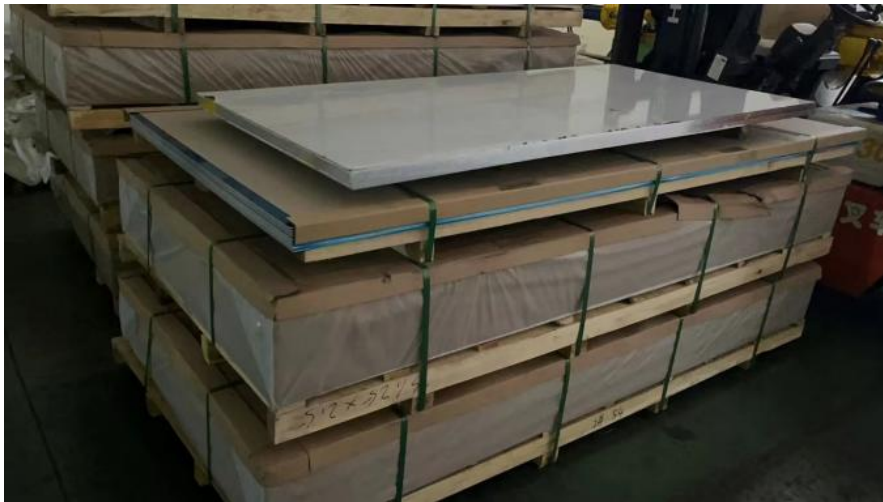
Factory



Recommend Products



Packing and Shipment



Certification



FAQ

1. How can I get a quotation from you ?

You can leave us message, and we will reply every message in time. Or we may talk on line by Trademanager. And you can also find our contact information on contact page.

2.Can I get samples before order ?

Yes, of course. we can produce by your samples or technical drawings.

3. What is your delivery time ?

The time of delivery is usually around 7-10 days.We can send out in 7 days, if it has stock.

4.What is your payment terms?

Our usual payment term is 30% deposite, and rest against B/L. 100%L/C at sight is also acceptable.



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