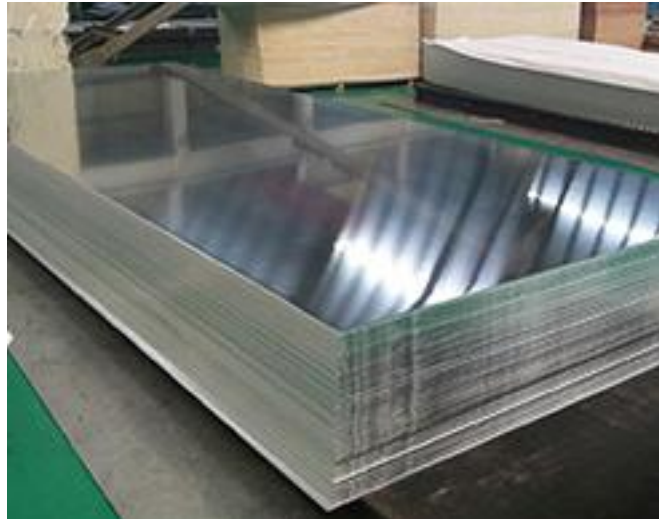


5252 Aluminum Sheet Plate

5252 Aluminum sheet plate belongs to the aluminum-magnesium alloy aluminum plate, the main element is aluminum, and a small amount of magnesium or other metal materials are added to strengthen its hardness. The aluminum alloy with Mg as the main additive element is also called anti-rust aluminum alloy because of its good corrosion resistance. 5252 Aluminum plate has great oxidation coloring effect, better metal texture and metal hardness, wear resistance and corrosion resistance, and long service life.



Product Specification

Alloy	5252 Aluminum Sheet Plate
Temper	O, H32, H34, H36, H38, H39, etc.
Thickness(mm)	0.40-8.00
Width(mm)	16-1500
Length(mm)	1000-12000
Types	Aluminum plate, coil, strip
Standard	EN485, ASTM B209, GB/T 3880
Application	3C electronic products or electrical housings, mobile phone shell, anodized Materials, etc.

Chemical Composition										
Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other	Al
5252	0.08	0.10	0.10	0.10	2.20-2.80	-	0.05	-	0.15	Remainder

Mechanical Properties					
Alloy	Temper	Tensile strengthRm (Mpa)	Yield strengthRp0.2 (MPa)	Elongation A(%)	Minimum Bending Radius of 180 Degree
5252	O	0.40-1.50	155-215	≥60	≥14
		>1.50-3.00			≥16
		>3.00-8.00			≥18
	H32	0.40-1.50	200-250	≥150	≥7
		>1.50-3.00			≥8
		>3.00-8.00			≥9
	H34	0.40-1.50	220-270	≥180	≥4
		>1.50-3.00			≥5
		>3.00-8.00			≥6



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H36	0.40-1.50	240-300	≥200	≥3
	>1.50-3.00			≥4
	>3.00-8.00			≥5
H38	0.40-1.50	≥255	≥210	≥2
	>1.50-3.00			≥3
	>3.00-8.00			≥4
H39	0.40-8.00	≥270	≥250	≥1

Features

1. 5252 aluminum plate has good coloring effect after oxidation, wear resistance and corrosion resistance, and long service life.
2. 5252 aluminum plate is a medium-to-high-strength aluminum alloy with low density and higher strength than 1 and 3 series aluminum alloys.
3. 5252 aluminum plate has good plasticity, excellent forming effect and easy processing.
4. 5252 aluminum plate has good fatigue performance and welding performance, and strong resistance to marine atmospheric corrosion.

Application

5252 aluminum plate is used to manufacture decorative parts with high strength, such as 3c digital aluminum shell (digital cameras, pan tilts, routers and other electronic products), handheld device stands (tablet PC shells, mobile phones), electronic product heat sink, all-in-one computer backplane, frame, panel. 5252 aluminum sheet has a bright and transparent oxide film after anodizing.

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

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