

5454 Aluminum Sheet Plate

5454 aluminum sheet plate is an aluminum-magnesium alloy, the main alloying element is magnesium, with a content of 2.4~3.0%. 5454 Aluminum plate is a typical anti-rust aluminum plate, which can adapt to harsh corrosive environments and has high strength, excellent corrosion resistance, good weldability and general formability. The strength of 5454 aluminum plate needs to be strengthened by cold working, and the strength of 5454 anti-rust



aluminum is about 20% higher than 5052; Its characteristics are similar to 5154, but the corrosion resistance of 5454 aluminum plate is better than 5154 aluminum plate in severe environment. Therefore, 5454 aluminum sheet is generally used in environments with high anti-rust requirements, such as marine facility pipelines, aluminum tank trucks bodies, car wheels, etc.

Product Specification

Alloy	5454 Aluminum Sheet Plate
Temper	O,H12,H14,H16,H18,H19,H22,H24,H26,H28,H32,H34,H36,H38,H111,H112,H114,H116,H321,etc.
Thickness(mm)	0.15-600
Width(mm)	100-2650
Length(mm)	500-16000
Package	Export packaging (protective film, interleaved paper)



HENAN FLAIT ALUMINUM CO., LTD.

Flait Aluminum is committed to product R&D, production, sales and service.

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Certificate	CCS, DNV, ABS, BV
Application	Fuel tanks, oil tanker body, marine facility pipelines, automobile wheels, etc.

Chemical Composition										
Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Zr
5454	0.2 5	0.4 0	0.1 0	0.50-1.0 0	2.40-3.0 0	0.05- 0.20	-	0.2 5	0.20	-

Mechanical Properties					
Alloy	Temper	Tensile strengthRm (Mpa)	Yield strengthRp0.2 (MPa)	Elongation A(%)	Minimum Bending Radius of 180 Degree
5454	O/H111	215-285	≥85	≥19	-
	H32	250-305	≥180	≥12	-

Features

1. 5454 aluminum plate has good corrosion resistance and high tensile strength.
2. 5454 aluminum plate has strong plasticity, low tendency of welding twill, and good welding performance.
3. 5454 aluminum plate has less hard and brittle compounds, so it is not easy to produce processing cracks.
4. The surface quality of 5454 aluminum plate is good, smooth and free of cracks, corrosion spots and nitrate traces.





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5. We can customize production to fully meet the needs of different customers.

Application

5454 aluminum plate is also widely used in ship structural parts, marine facility pipelines, pressure vessels, oil tanks body, welded structures, automobile wheels, etc.

Tank truck is a tank-shaped transport vehicle used to transport various liquids, liquefied gases and powdered goods. Therefore, according to the excellent corrosion resistance of 5454 aluminum plate to chemicals, industrial atmosphere and other media, 5454-H111 aluminum plate is very suitable for manufacturing tank truck body.

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

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