



## 5052 Aluminum Sheet Plate

5052 Aluminum sheet plate is an AL-Mg series alloy with a magnesium alloy content of about 2.5%, is the most widely used anti-rust aluminum. 5052 Aluminum plate has the advantages of 3 series anti-rust aluminum plate and the excellent formability of 5 series alloy; It has good corrosion resistance, good weldability, good cold workability medium strength, good material formability, suitable for various stamping, bending and other sheet metal processing, and good anodic oxidation. It can be oxidized and colored into various bright and bright colors, and is used in mold manufacturing, production of machined parts, etc.



### Product Specification

<b>Alloy</b>	5052 Aluminum Sheet Plate
<b>Temper</b>	F,O,H12,H14,H16,H18,H19,H22,H24,H26,H28, H32,H34,H36,H38,H111,H112,H114,etc.
<b>Thickness(mm)</b>	1.0-600
<b>Width(mm)</b>	100-2650
<b>Length(mm)</b>	500-16000
<b>Surface treatment</b>	Rolled, patterned aluminum plate
<b>Package</b>	Export packaging (protective film, interleaved paper)
<b>Certificate</b>	CCS, DNV, ABS, BV
<b>Application</b>	Alumina plates, silos, automotive aluminum plates,molds, mask machines, electronic stamping parts,can lid materials, etc.



Chemical Composition								
Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Al
5052	0.25	0.40	0.10	0.10	2.20-2.80	0.15-0.35	0.10	Remainder

Mechanical Properties					
Alloy	Temper	Tensile strengthRm (Mpa)	Yield strengthRp0.2 (MPa)	Elongation A(%)	Hardness
5052	O/H111	170-215	≥65	≥18	-
	H32	210-260	≥130	≥5	61

## Features

1. 5052 aluminum plate has strong plasticity, good corrosion resistance, good weldability, good cold working performance, and is suitable for use in marine environments.
2. 5052 Aluminum plate has good fatigue resistance and rust resistance.
3. The surface of the 5052 aluminum plate has no peeling, air bubbles, surface roughness and local mechanical damage, and the surface of the aluminum plate has no cracks, no corrosion spots and no nitrate traces.
4. We can customize production to fully meet the needs of different customers.

## Application

1. 5052 aluminum plate is widely used in the manufacture of fuel tanks, oil pipes, and sheet metal parts of transportation vehicles and ships, instruments, street lamp brackets and rivets, hardware products, electrical casings, molds, etc. It can also be used for low-load parts that require high plasticity and good weldability, and work in liquid or gaseous media, such as fuel tanks, gasoline or lubricating oil conduits, various liquid containers and other small-load parts made by deep drawing.
2. 5052 aluminum alloy sheet application: aluminum alloy for automobiles, 3C products,





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computer brackets, high-end curtain wall panels, high-end oxide materials, cans/covers, shutters, trolley cases, aluminum furniture, door panels/door handles, signs, decoration, etc.

3. 5052 aluminum alloy thick plate application: silo, flange material, GIS shell, yacht, underwear mold/shoe mold, air tank, mask machine, mask machine, precision machining, etc.
4. 5052 H32 aluminum sheet is used in the field of automotive aluminum: automotive engine outer panels, bus trunk panels, bus non-slip decorative panels, automotive fuel tank aluminum panels, etc.

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

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