

# Aluminum Brazing Sheet

## Description of Aluminum Brazing Sheet

Aluminum Brazing Sheet is also called aluminum alloy brazing sheet, aluminum brazing sheet, aluminum brazing composite sheet, etc., which belongs to a kind of aluminum sheet commonly used in industrial production. The Aluminum Brazing Sheets currently used in the market are mainly 3003 aluminum sheets, 4343 aluminum sheets and 4004 aluminum alloys.

The main products are 3xxx and 4xxx series aluminum alloy plates, which are used in oxygen production equipment and radiators for the automotive industry.

Mingtai Aluminum has a domestic advanced Aluminum Brazing Sheet processing production line, using equipment imported from Germany and the United States to ensure the quality of the aluminum sheets we produce and meet customer satisfaction.

When purchasing brazed aluminum plates for radiators and aluminum brazed heating plates for vacuum freeze dryers, please look for Henan Mingtai Aluminum Co., Ltd., a listed company, with trustworthy quality!

## Advantages of Aluminum Brazing Sheet

International advanced detectors: accurate checks throughout the process

Equipped with international German Luke spectrometer, Hitachi scanning electron microscope and energy spectrometer, American thermoelectric spectrometer, oil analyzer, mechanical performance detector, metallographic microscope, atomic absorption analyzer, chromatograph and other instruments and equipment, to realize the whole process of detection and ensure The fine quality of the product.

Surface pretreatment process: beautiful product, bright color

Take the lead in the industry to apply the surface pretreatment process

to mill the base alloy and cladding layer alloy ingots to ensure that there are no defects such as deep grooves, aluminum chips, slag inclusions, surface cracks and transportation, etc., and use physical and chemical methods. Strictly clean the oil, dust and metal oxide film on the surface. On the premise of ensuring product quality, the products produced are silvery white, bright in color and beautiful in appearance.

Seamless welding: good fluidity and no bubbles during welding

The product can be welded with most aluminum alloys, and can also be connected with other metals or ceramics, densely filling all the gaps, welding without pores, cracks, welding spots, etc., the surface of the weld joint is bright, the fillet is uniform and smooth The arc is excessive.

## Brazing Sheet in Automobile

Brazing Sheet in Automobile, the process is mainly raw material stamping - cleaning - flux coating - riveting - brazing - testing - sealing and other processes. In order to ensure the punching and stretching requirements of the Brazing Sheet, the materials used are required to have good stretching ability.

## The advantages of aluminum sheet in Automobile

1. Light weight: Aluminum alloy has the advantages of low density, high specific strength, and easy processing and forming. It is an ideal lightweight material for automobiles.
2. Easy to process: it has good welding performance and is easy to process and shape;
3. Good consistency: stable performance, high elongation, easy stamping, strong welding performance;
4. Excellent corrosion resistance: 3003 aluminum plate belongs to the aluminum-manganese alloy series, also known as anti-rust aluminum plate, which still has good anti-rust ability in humid environment.
5. Good stamping and tensile properties: 3003-O aluminum plate is soft in material, high in plasticity, easy to punch and stretch, and meets conventional processing requirements.

6. Renewable utilization: Aluminum alloy materials can be recycled and reused, which is green and environmentally friendly.

### Technical Parameters

| Alloy | Temper | Thickness(mm) | Width(mm)  | Length(mm) | Typical product                      |
|-------|--------|---------------|------------|------------|--------------------------------------|
| 3003  | O、H14  | 0.8--3.0      | Customized | C          | EV power battery water cooling plate |