

Aluminum sheet for deep drawing

Introduction of aluminum plate for deep drawing

The main products of deep-drawn aluminum sheets are 1xxx, 3xxx, 8xxx series aluminum alloy sheets, and the products of deep-drawn aluminum sheets are mainly used in storage devices, tableware, electrical appliances, lamp parts and other fields. Henan Mingtai Aluminum Co., Ltd. has produced aluminum sheets for deep drawing for more than 20 years. It has 7 production and processing plant bases with advanced equipment, mature technology and strong strength. The quality and quantity of the aluminum plates produced are guaranteed, and it is more assured and safe to use.

Why deep draw aluminum?

Deep drawing offers many advantages over aluminum stretching because aluminum is a highly inelastic material.

Some aerospace products can only function within certain weight tolerances. Since aluminum has a high strength-to-weight ratio, it is an ideal substitute for steel in this case.

Car exterior panels are always at risk of denting from impacts and crashes. The high dent resistance of deep-drawn aluminum means that it takes more force to dent aluminum than sheets formed from other metals.

Aluminum is fully recyclable, which means raw materials don't have to be wasted even when an application has reached the end of its useful life.

Aluminum's natural corrosion resistance means it doesn't require extensive, regular treatment and can withstand a lot of environmental wear and tear on its own.

Aluminum is known to be the highest order electrical and thermal conductor.

Deep-drawn aluminum components are very cost-effective and can accommodate both small and high-volume production runs.

1060 aluminum plate for deep drawing

The hardness standard of 1060 deep-drawing aluminum plate is tensile strength σ_b (MPa): ≥ 55 , conditional yield strength $\sigma_{0.2}$ (MPa): ≥ 15 . 1060 deep-drawing aluminum plate is an aluminum-magnesium alloy with medium strength and good corrosion resistance. It is an aluminum material that has both corrosion resistance and welding among ALMG aluminum alloys. 1060 aluminum plate has good extensibility and tensile strength, which can be satisfied by stretching and stamping in conventional production.

Alloy 3003 for deep drawing

Alloy 3003: The most widely used of all aluminum alloys. A commercially pure aluminum with added manganese to increase its strength (20% stronger than the 1100 grade). It has excellent corrosion resistance, and workability. This grade can be deep drawn or spun, welded or brazed.

5182 aluminum strip has good deep drawing performance

5182 aluminum strip is the main aluminum alloy product of the pull ring of cans, and it is also one of the key products of Mingtai Aluminum Industry. The production design of Mingtai Aluminum's 5182 aluminum alloy pull and change material is based on superior performance, mainly in terms of easy processing and good deep drawing performance. In particular, the 5182 ring pull material is being processed with precise specifications and good shape, and is exported to the global market.

Technical parameters of aluminum plate for deep drawing

Alloy series	1xxx series	3xxx series	5xxx series	8xxx series
Alloy	1050、1060、	3003、3004、	5182、5052	8011

	1070、1100	3005、3104、 3105		
Temper	O、H*2、H*4、H18、H19			
Thickness(mm)	0.15-200			
Width(mm)	10-2650			
Length(mm)	500-16000			