

5083 Aluminum Coil

5083 Aluminum coil belongs to the AL-Mg series alloy, and the magnesium content is between 3-5%. 5083 Aluminum coil has good strength, good corrosion resistance, excellent weldability and good cold workability. The surface is beautiful after anodizing. Arc welding function is good. Its excellent corrosion resistance makes 5083 aluminum coil widely used in marine applications such as ships, automobiles, aircraft welding parts, subway light rail etc., and pressure vessels that require strict fire protection (such as liquid tank cars, refrigerated trucks, refrigerated containers), refrigeration units, TV towers, drilling equipment, aluminum for transportation, etc.



Product Specification

| | |
|----------------------|---|
| Alloy | 5083 Aluminum Coil |
| Temper | F,O,111,H12,H14,H16,H18,H22,H24,H26,H28,H32,H34,H36,H38,etc. |
| Thickness(mm) | 0.50-8.00 |
| Width(mm) | 100-2650 |
| Length(mm) | C |
| ID | Ø505mm or customized |
| Package | Eye to sky or Eye to wall |
| Certificate | DNV,ABS,CCS,BV |
| Application | The outer plate and deck of the ship's side and bottom,tanker, oxygen generator tower, etc. |



HENAN FLAIT ALUMINUM CO., LTD.

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

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| | |
|---------------|-----------|
| Sample | Available |
|---------------|-----------|

| Chemical Composition | | | | | | | | | | | |
|----------------------|----------|----------|----------|---------------|---------------|---------------|--------|----------|----------|--------|---------------|
| Allo y | Si | Fe | Cu | Mn | Mg | Cr | N i | Zn | Ti | Z r | Al |
| 508 3 | 0.4 0 | 0.4 0 | 0.1 0 | 0.40-1. 00 | 4.00-4. 90 | 0.05-0. 25 | - | 0.1 5 | 0.1 5 | - | Remaind er |

| Mechanical Properties | | | | | |
|-----------------------|--------|--------------------------------|---------------------------------|--------------------|--|
| Allo y | Temper | Tensile strengthRm (Mpa) | Yield strengthRp0.2 (MPa) | Elongation A(%) | Minimum Bending Radius of 180 Degree |
| 5083 | O/H111 | ≥275 | ≥125 | ≥16 | - |
| | H116 | ≥305 | ≥215 | ≥10 | - |
| | H32 | 305-385 | ≥215 | ≥12 | - |
| | H112 | ≥275 | ≥125 | ≥10 | - |

Features

1. 5083 Aluminum coil has low density, light weight, high tensile strength, high elongation, good corrosion resistance and durability.
2. 5083 Aluminum coil has low density, light weight, high tensile strength, high elongation, good corrosion resistance and durability. It is used in vehicles to reduce the weight of the vehicle body, thereby reducing the inertia of the vehicle body and improving transportation efficiency. At the same time, it can also achieve the effect of energy saving and emission reduction.





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3. The surface of 5083 aluminum coil has no oil spots, no waves, no scratches, no roll marks, neat trimming, and no burrs.

Application

5083 aluminum coil has a wide range of applications, mainly used in printing plate making, image plate making, shipbuilding, aluminum sheets for ships, auto parts, transportation vehicles, etc.

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

-----**THIS IS THE END**-----

