

5454 Aluminum Plate For Tanker - Haomei

5454 aluminum plate for tanker belongs to low-magnesium alloy with magnesium content between 2.4% - 3.0% by weight, especially has excellent elevated temperatures adaptability, also has moderate strength and good weldability, that makes it be tanker aluminum plate. Aluminum 5454 for tank manufactured by Haomei Aluminum has been widely used in tank truck market.

Specification of 5454 Aluminum Plate For Tanker:

Product Type		Thickness (mm)	Width(mm)	Length(mm)
Plate	Wide Plate	4-8	2200-2600	2000-12000
	Standard Plate	4-8	1500-2200	2000-12000
Coil	Wide Plate	4-8	2200-2600	-
	Standard Plate	4-8	1500-2200	-

Chemical Composition of 5454 Aluminium Plate For Tanker:

Alloy series		Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
5454T	Min.	-	-	-	0.5	2.4	0.05	-	-
	Max.	0.25	0.40	0.10	1.0	3.0	0.20	0.25	0.20

Mechanical Properties of 5454 Aluminum For Tanker:

Alloy	Temper	Yield Strength	Tensile Strength	Elongation	180°Min. Bend Radius	Standard
5454	O/H111	≥85	215-285	≥19	t	EN14286
5454	H32	≥180	250-305	≥12	--	ASTM B209

Advantages of 5454 Aluminium For Tanker:

1. Automotive lightweight, reducing the weight, to increase the volume, reduce the fuel consumption and emission, improve the performance of the tanker truck.
2. Without any preservative treatment in the life of aluminum tanker, the life of tanker is min 15 years, extend the service life, save maintenance cost.
3. Aluminum alloy have the good ductility, not easy to crack when collision. Good electrical conductivity, won't produce instantaneous discharge. When collision or tilting, can not produce sparks, eliminate the potential safely hazard, more suitable for oil and fuel transportation.

Application of 5454 Aluminum Sheet For Tanker:

5454 aluminum sheet for oil and fuel tanker has reliably been used for transportation and storage of chemical industry, such as fuel tank car, oil tank car, high temperature chemical liquid and gas tanker etc.

