

7020 Aluminum Sheet Plate

7020 aluminum plate belongs to medium and high strength Al-Zn-Mg alloy, which has high strength, good welding performance and process performance. It is the main welding structural material for aerospace, ground vehicles and equipment, and is widely used in the manufacture of high-speed train vehicles body. 7020 aluminum plate has good comprehensive properties after heat treatment. The strength of 7020 aluminum plate is greater



than that of 6082, but its forming ability is correspondingly worse. 7020 aluminum sheet has high tensile strength, high yield strength and good corrosion resistance; 7020 aluminum alloy can be processed and formed in various ways such as hot rolling, extrusion, cold working; 7020 aluminum plate has good welding performance, can use a variety of welding methods. The hardness state of 7020 aluminum alloy after heat treatment is usually T6 temper. T6 state refers to the hardness state of aluminum alloy after artificial age hardening treatment, which has good strength and hardness. The hardness of 7020 aluminum alloy is slightly higher than ordinary aluminum alloy, about 160~170HB.

Product Specification

Alloy	7020 Aluminum Sheet Plate
Temper	F、O、T6、T651、T7451、H112,etc.
Thickness(mm)	1.0-600
Width(mm)	800-2500
Length(mm)	900-10000
Application	Aviation, airplane, aero, etc.

Chemical composition												
Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Zr	Zr+Ti	Others		Al
7020	≤	≤	≤	0.0	1.0-1.4	0.1	4.0-5.0	0.0	0.0	Single	Total	Remainder
	0.35	0.40	0.20	5-0.50		0-0.35		8~0.20		8-0.25	0.05	

Mechanical Properties				
Alloy & Temper	Tensile strengthRm (Mpa)	Yield strengthRp0.2 (MPa)	Elongation A(%)	Hardness
7020-T651	≥330	≥260	≥7	-

Features

1. High strength, good welding performance and process performance;
2. High tensile strength, high yield strength and good corrosion resistance;
3. The process performance of 7020 aluminum plate is good.

Application

7020 Aluminum plate is used in airplane, high-speed rail frames, armoured vehicles, military bridges, motor cycle and bicycle frames.

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

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