



## 6061 Aluminum Sheet Plate

6061 aluminum plate belongs to Al-Mg-Si alloy, the main alloy elements are magnesium and silicon, with medium strength, good corrosion resistance, weldability, and good oxidation effect. In particular, it has no tendency to stress corrosion cracking, has excellent weldability, good corrosion resistance and cold workability, and is a promising alloy with a wide range of applications. 6061 aluminum plate can be anodized and colored, and can also be painted with enamel, which is suitable for building decoration materials. It contains a small amount of Cu, so its strength is higher than that of 6063, but its quenching sensitivity is also higher than that of 6063. Air quenching cannot be achieved after extrusion, and it needs re-solution treatment and quenching aging to obtain higher strength.



### Product Specification

<b>Alloy</b>	6061 Aluminum Sheet Plate
<b>Temper</b>	F,O,T4,T6,T651,etc.
<b>Thickness(mm)</b>	0.30-600
<b>Width(mm)</b>	500-2650
<b>Length(mm)</b>	500-16000
<b>Package</b>	Export packaging (protective film, interleaved paper)
<b>Application</b>	Mobile phone cases,battery trays, auto parts, containers,precision machining, molds, mask machines, etc.





Chemical composition										
Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al
6061	0.40-0.08	0.07	0.15-0.40	0.150	0.8-1.2	0.04-0.035	-	-	0.15	Remainder

Mechanical Properties				
Alloy	Temper	Tensile strengthRm (Mpa)	Yield strengthRp0.2 (MPa)	Elongation A(%)
6061	T4	225	152	23
	T6	345	190	13
	T651	289	242	10

## Features

1. 6061 aluminum plate has weldability, excellent brazing performance, good effect of gas welding, arc welding, contact spot welding and wire welding.
2. 6061 aluminum plate has strong corrosion resistance and no tendency of stress corrosion cracking.
3. The surface of 6061 aluminum plate has the same color and luster after anodic oxidation treatment, and the appearance is beautiful.
4. The surface of the 6061 aluminum plate has no peeling, air bubbles, surface roughness and local mechanical damage, and the surface of the aluminum plate has no defects.





**HENAN FLAIT ALUMINUM CO., LTD.**

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## **Application**

6061 thin aluminum sheet: white surface/glossy surface, no need for milling, save cost; Widely used in 3C fields such as mobile phone card slots and buttons, computer stands, computer cases/shells, as well as rolling suitcases, aluminum furniture, door panels/handles and other fields.

6061 medium thickness aluminum sheet: eliminates internal stresses, cuts without deformation; Widely used in molds, precision machining, automobile decorative plates/model plates, automobile chassis protection parts, four doors and two automobile covers, automobile bushings, automobile seats and other fields.

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

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