High precision Aluminum plates

Spec 52

JIS H4000 A5052P

Improved thickness tolerance and flatness compared to conventional A5052P

Features

- Good corrosion resistance.
- ► Having medium degree of strength.
- ▶ Good welding performance.

Applications

- Semiconductor and liquid crystal manufacturing equipment.
- Medical equipment.
- ► Machine components.



Ultra-high precision Aluminum plates

M+152

Improving thickness precision and flatness of JIS H4000 A5052P

Excellent flatness enables you to cut cost and time for machining

Features

- Minimizing residual stress makes it possible to suppress warping from cutting work.
- ► Thickness tolerance is about 1/10 of JIS specification.
- Excellent flatness and surface quality.
- ► High surface quality allows good anodizing surface finish.

New COLUMN TO THE PARTY OF THE

Two-sided protective

Applications

- Semiconductor and liquid crystal manufacturing equipment.
- Solar cell panel manufacturing equipment.
- Components and base plates of precision machines.

Mill finish

Chemical composition (%)

Si	Fe	Cu	Mn	Mg	Cr	Zn	Others Each Total	Al
≦0.25	≦0.40	≦0.10	≦0.10	2.2~2.8	0.15~0.35	≦0.10	≦0.05 ≦0.15	Re

Mechanical property (Typical values)

		,
Thickness	Tensile strength(N/mm2)	Elongation(%)
15	197	37

Surface flatness

// Striggt 52 0.2 mm below/M

Y1152 0.2 mm below/M

JIS 1.2mm below/M

Stock size (mm)

Thickness	Width×Length	Temper	YH52 Plate (Ultra high precision)	HS52 Plate (High precision)	A5052 Plate (JIS Standard)	
4			±0.04	±0.06	±0.50	
5			±0.04	±0.07	±0.50	
6	1525×3050	H112	±0.04	±0.08	±0.55	
7			±0.04	±0.10	±0.60	
8			±0.05	±0.10	±0.60	
9			±0.05	±0.10	±0.70	
10			±0.05	±0.10	±0.70	
12			±0.05	±0.10	±0.80	
15			±0.08	±0.15	±0.80	
16		l	±0.08	±0.16	±0.80	

Thickness	Width×Length	Temper	YH52 Plate (Ultra high precision)	HS52 Plate (High precision)	A5052 Plate (JIS Standard)
18			±0.09	±0.18	±0.80
20			±0.10	±0.20	±0.80
22	1525×3050	H112	±0.10	±0.22	±0.80
25			±0.12	±0.25	±0.90
30			±0.15	±0.30	±1.0
32			±0.15	±0.30	±1.0
35			±0.15	±0.30	±1.0
40			±0.20	±0.40	±1.1
45			±0.20	±0.40	±1.3
50			±0.25	±0.50	±1.3

Providing the foundation for creation.

