

## 6061-T4 ALUMINUM SHEET

6061 is one the most versatile of the heat-treatable aluminum alloys. It has good formability and weldability, as well as high corrosion resistance. Additionally, 6061 offers a wide range of mechanical properties and can be fabricated by many of the commonly used techniques. 6061 is the most economical of the heat-treatable aluminums.

AED stocks 6061-T4 in sheet only.

### 6061 Chemical Analysis

Cu	Si	Fe (max)	Mn (max)	Mg	Zn (max)	Cr	Ti (max)	Others		Al
								Each	Total	
.15/.40	.40/.80	.70	.15	.80/1.2	.25	.04/.35	.15	.05	.015	Remainder

### 6061-T4 SHEET

6061-T4 sheets are generally produced in 48" x 144" dimensions. The best pricing is always when you order full sheets, which can be cut for economical shipping methods. AED also offers "cut-to-size" pieces.

6061-T4 sheets offer the ability to perform severe forming operations of grades such as 3003-H14 and 5052-H32, but has many of the strength characteristics of 6061-T6.

6061-T4 sheets are generally unavailable in thicknesses greater than .125".

6061-T4 sheets meet the aerospace specification AMS 4026, as well as AMS QQ-A-250/11.

### 6061-T4 Sheet Typical Mechanical Properties:

	6061-T4	6061-T6 / 6061-T651 *
<b>Tensile Strength (psi)</b>	35,000	45,000
<b>Yield Strength (psi)</b>	21,000	40,000
<b>Elongation (% in 2")</b>		
<b>.063" Sheet</b>	22	12
<b>Min. 90° Cold Bend Radius for .064" thick</b>	½ - 1-½T	1-2T
<b>Brinell Hardness</b>	65	95
<b>Ultimate Shearing Strength (psi)</b>	24,000	30,000
<b>Fatigue, Endurance Limit (psi)</b>	14,000	14,000
<b>Modulus of Elasticity (ksi x 1000)</b>	10.0	10.0

\* 6061-T6 / 6061-T651 data shown for comparison to 6061-T4.



## PRODUCT DETAILS



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Note: "Typical Mechanical Properties" have been compiled from a variety of sources. Information is deemed reliable, but it is not guaranteed. This data is provided for information only, **NOT FOR DESIGN PURPOSES.**



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