

3003 ALUMINUM SHEET

3003 Aluminum is one of the most widely used of all aluminum alloys. It is a general purpose aluminum, with moderate strength, good workability and weldability, and excellent corrosion resistance. 3003 is a non-heat treatable grade, and it may be deep drawn, or spun, welded, or brazed.

AED stocks 3003 in both mill finish (also known as “bare”) sheets and shiny diamond-pattern sheets called Treadbright.

3003 Chemical Analysis

Cu (max)	Si (max)	Fe (max)	Mn	Zn (max)	Others		Al
					Each	Total	
.20	.60	.70	1.00/1.50	.10	.05	.015	Remainder

3003-H14 SHEET

3003 sheets and plates 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.

Occasionally, 3003 sheets are substituted for 5052. 3003-H14 is also available from time to time in a round tube, often used when something softer than 6061-T6 is required.

3003-H14 sheets meet the aerospace specification AMS 4009, as well as AMS QQ-A-250/2. 3003-H14 tubes meet the aerospace specification AMS WW-T-700/2.

3003-H14 Sheet Typical Mechanical Properties:

	3003-H14
Tensile Strength (psi)	22,000
Yield Strength (psi)	21,000
Elongation (% in 2”), .064” Sheet	8
Min. 90° Cold Bend Radius for .064” thick	0
Brinell Hardness	40
Ultimate Shearing Strength (psi)	14,000
Fatigue, Endurance Limit (psi)	9,000
Modulus of Elasticity (ksi x 1000)	10.0

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.**