

AERONAUTICAL MATERIAL SPECIFICATION

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T O L E R A N C E S Magnesium Alloy Sheet

1. PURPOSE: To publish established manufacturing tolerances.
2. APPLICATION: Tolerances shown herein apply, unless otherwise agreed between purchaser and vendor. These tolerances apply to all conditions, unless otherwise noted.
3. THICKNESS:

TABLE I

FLAT SHEET

Thickness	Tolerance in Percent of Nominal Thickness Or in Inch, Plus and Minus	
	Widths Under 36"	Widths 36" to 50"
Inches		
0.015 to 0.036 Incl.	0.002	0.0025
0.037 to 0.050 Incl.	0.0025	0.003
0.051 to 0.080 Incl.	0.003	0.004
0.081 to 0.250 Incl.	5%	5%

4. WIDTH:

TABLE II

FLAT SHEET

Thickness	Tolerance, Inch, Plus and Minus		
	Width Up to 18" Incl.	Widths Over 18" to 36" Incl.	Widths Over 36" to 50" Incl.
Inches			
0.015 to 0.102 Incl.	1/16	3/32	1/8
0.102 to 0.250 Incl.	3/32	1/8	3/16

5. LENGTH:

TABLE III

Thickness	Tolerance, Inch, Plus and Minus			
	Length Ranges, Inches			
	To 18" incl.	Over 18" to 48" incl.	Over 48" to 120" incl.	Over 120"
Inch				
0.015 to 0.250	1/16	3/32	1/8	5/32