



3003-H22-BRIGHT TREAD SHEET

TECHNICAL DATA

C102 (Diamond) Pattern

Beauty and durability continue to be the major selling points of 3003 bright tread sheet. In response to the needs of the marketplace, Alcoa has continued to expand 3003 bright tread gauge range with the recent inclusion of .056" products, providing the manufacturer with a less costly product and greater profit potential.

Beauty — Alcoa's rolling process and technical expertise result in greater reflectability with minimal "button shadow." The brilliant qualities of bright tread sheet add dash and glamour wherever it is used. Brightness, sparkle, and shine provide beautiful accents wherever used.

Durability — Extensive product use as scuff plates, running boards, and mud flaps for fire engines, recreational, and four-wheel-drive vehicles has proven that 3003 bright tread sheet can do a "beautiful" job in decorative and functional applications.

CHEMICAL COMPOSITION

(Weight Percent) Maximum Unless Shown As A Range

Si	Fe	Cu	Mn	Mg	Cr	Zn	Tl	Others	Each	Total	Aluminum
0.6	0.7	0.05-0.20	1.0-1.5	—	—	0.10	—	0.05	0.15	0.15	Remainder

MECHANICAL PROPERTIES

Minimum	Ultimate Strength KSI	Yield Strength KSI	Elongation % in 2 inches
	17	12	7

PHYSICAL CHARACTERISTICS

Thickness	Thickness Tolerance Plus/Minus, Inches	Button Pattern Height, Inches (Minimum)	Thickness	Thickness Tolerance Plus/Minus, Inches	Button Pattern Height, Inches (Minimum)
.056	.006	.025	.090	.009	.025
.063	.006	.025	.100	.010	.032
.072	.006	.025	.125	.0126	.040
.080	.006	.025	.166	.015	.040
.084	.006	.025	.188	.018	.040

Surface Finish:	Bright, Reflective		
Formability:	Good		
Weldability:	Good		
Width Tolerance:	Plus 3/8 inch		
Widths Available:	Up to 84 inches (Flat and Coil)		
Length Tolerance:	Up to 144 inches	— plus 3/8 inch	
	Over 144 inches thru 240 inches	— plus 7/16 inch	
	Over 240 inches	— plus 1/2 inch	
Lateral Bow Tolerance:	1/8 inch in any 10 feet		
Squareness Tolerance:	Length	Max. Difference in Diagonal	
	Up to 144 inches	3/8 inch	
	Over 144 thru 240 inches	7/16 inch	
	Over 240 inches	1/2 inch	
Camber of Pattern Line Tolerance:		Width	
	Length	To 48 inches	Over 48 inches
	24 inches thru 72 inches	1/2 inch	1/2 inch
	Over 72 inches thru 144 inches	3/4 inch	1 inch
	Over 144 inches	1 inch	1 1/2 inch

PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ALCOA MILL PRODUCTS

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