

Product Specifications: Flat Sheet and Tread Plate

Alloy AA1100 (Flat Sheet)

i) Chemical Composition Limits (% by weight)

Elements	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others		Al
									Each	Total	
Alloy											
AA 1100	0.95 Si + Fe		0.05 - 0.20	0.05	-	-	0.10	-	0.05	0.15	99.00 min

Mechanical Properties

Alloy/Temper	Specified Thickness (Inch)	Tensile Strength, ksi		Yield Strength (0.2% offset), ksi		Elongation (%)
		Min.	Max.	Min.	Max.	Min.
1100 / H14	0.009 - 0.012	16.0	21.0	14.0		1
1100 / H14	0.013 - 0.019	16.0	21.0	14.0		2
1100 / H14	0.020 - 0.031	16.0	21.0	14.0		3
1100 / H14	0.032 - 0.050	16.0	21.0	14.0		4
1100 / H14	0.051 - 0.113	16.0	21.0	14.0		5
1100 / H14	0.114 - 0.499	16.0	21.0	14.0		6
1100 / H14	0.500 - 1.000	16.0	21.0	14.0		10

(1) These are the most common tempers, others may be available. For further information, contact Chip Aik Aluminium office.

(2) Composition given in percent maximum unless shown as a range.

(3) The physical properties given are typical values.

Alloy AA3105 F (Tread Sheet)

i) Chemical Composition Limits (% by weight)

Elements	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others		Al
									Each	Total	
Alloy											
AA 3105	0.60	0.70	0.30	0.30 - 0.80	0.20 - 0.80	0.20	0.40	0.10	0.05	0.15	Remainder

Mechanical Properties

Alloy/Temper	Specified Gauge Thickness (mm)	Tensile Strength, Mpa		Elongation (%)
		Min.	Min.	
A3105 / F	2.800	150		3

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(2) Composition given in percent maximum unless shown as a range.

(3) The physical properties given are typical values.