

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Zr	Other		Al
											Each	Total	
5005	0.30	0.70	0.20	0.20	0.50 -1.1	0.10	-	0.25	-	-	0.05	0.15	Remainder
5052	0.25	0.40	0.10	0.10	2.2 -2.8	0.15 -0.35	-	0.15	-	-	0.05	0.15	Remainder
5754	0.40	0.40	0.10	0.50	2.6 -3.6	0.30	-	0.20	0.15	-	0.05	0.15	Remainder
5083	0.40	0.40	0.10	0.40	4.0 -1.0	0.05 -0.25	-	0.25	0.15	-	0.05	0.15	Remainder
5086	0.40	0.50	0.10	0.20	3.5 -0.7	0.05 -0.25	-	0.25	0.15	-	0.05	0.15	Remainder
6061	0.40 -0.8	0.70	0.15 -0.40	0.15	0.8 -1.2	0.04 -0.35	-	0.25	0.15	-	0.05	0.15	Remainder
6063	0.20 -0.6	0.35	0.10	0.10	0.45 -0.9	0.10	-	0.10	0.10	-	0.05	0.15	Remainder
6082	0.70 -1.3	0.50	0.10	0.40-0.60 1.0	-0.60 -1.2	0.25	-	0.20	0.10	-	0.05	0.15	Remainder
7075	0.40	0.50	1.2 -2.0	0.30	2.1 -2.9	0.18 -0.28	-	5.1 -6.1	0.20	-	0.05	0.15	Remainder

Aluminum plate Physical Properties

Alloy	Temper	Thickness mm	Tensile Strength		Yield Strength Rp0.2/Mpa in.	Elongation % Min.
			Rm/Mpa	Min		
1050	0	>6	60-100		20	28
	H112	6-12.5	80		45	10
		12.5-25	70		35	16
		>25	65		30	22
2024	0	>6	≤220		—	10
	T3	>6	440		290	12
	T4	>6	425		275	15
3003	0	>6	95-140		35	24
	H112	6-12.5	115		70	10
		>12.5	100		40	18
5005	0 / H11	6-12.5	100-145		35	24
	1	>12.5	100-145		35	20

Alloy	Temper	Thickness mm	Tensile Strength		Yield Strength		Elongation	
			Rm/Mpa	Min	Rp0.2/Mpa	Min	%	Min
	H112	6-12.5	115		—	8		
		12.5-40	105		—	10		
		>40	100		—	16		
5052	O / H111	6-12.5	170-215		65	19		
		>12.5	170-215		65	18		
	H112	6-12.5	190		80	7		
		12.5-40	170		70	10		
		>40	170		70	14		
	5083	O / H111	6-12.5	275-350		125	16	
12.5-50			275-350		125	15		
>50			270-345		115	14		
H112		6-12.5	275		125	12		
		12.5-40	275		125	10		
		>40	270		115	10		
5086	O / H111	6-12.5	240-310		100	17		
		>12.5	240-310		100	16		
	H112	6-12.5	250		105	8		
		12.5-40	240		105	9		
		>40	240		100	12		
6061	O	>6	≤150		≤85	16		
	T4	>6	205		110	18		
	T6	>6	205		240	9		
6063	O	>6	≤130		—	15		
	T6	>6	230		180	8		
6082	O	6-12.5	≤150		85	17		
		>12.5	≤155		—	16		
	T4	>6	205		110	15		
	T6	>6	300		255	9		
7075	O	6-12.5	540		470	6		
		>12.5	530		460	5		
	T6	>6	540		475	8		