

ALUMINUM PRODUCT
Chemical Compositions
Range and Limits in %

ALLOY	Silicon	Iron	Copper	Manganese	Magnesium	Chromium	Zinc	Titanium	Others Ea. Total	Aluminum
1100	Si + Fe = 0.95 Max		.05-.20	0.05 Max	N/A	N/A	.10 Max	N/A	.05 0.15	99.0 Min
*2011	0.40 Max	0.7 Max	5.0-6.0	N/A	N/A	N/A	.30 Max	N/A	.05 0.15	Remainder
2017	.20-0.8	0.7 Max	3.5-4.5	0.40-1.0	0.40-0.8	.10 Max	25 Max	N/A	.05 0.15	Remainder
2024	0.50 Max	0.50 Max	3.8-4.9	0.30-9	1.2-1.8	.10 Max	25 Max	.15 Max	.05 0.15	Remainder
3003	0.6 Max	0.7 Max	.05-.20	1.0-1.5	N/A	N/A	.10 Max	N/A	.05 0.15	Remainder
3105	0.6 Max	0.7 Max	.30 Max	0.30-0.8	0.20-0.8	.20 Max	.40 Max	.10 Max	.05 0.15	Remainder
5005	0.30 Max	0.7 Max	.20 Max	0.20 Max	.50-1.1	.10 Max	25 Max	N/A	.05 0.15	Remainder
5052	0.25 Max	0.40 Max	.10 Max	0.10 Max	2.2-2.8	.15-.35	.10 Max	N/A	.05 0.15	Remainder
5083	0.40 Max	0.40 Max	.10 Max	0.40-1.0	4.0-4.9	.05-.25	25 Max	.15 Max	.05 0.15	Remainder
5086	0.40 Max	0.50 Max	.10 Max	0.20-0.7	3.5-4.5	.05-.25	25 Max	.15 Max	.05 0.15	Remainder
5182	0.20 Max	0.35 Max	0.15 Max	0.20-0.50	4.0-5.0	0.10 Max	25 Max	.10 Max	.05 0.15	Remainder
5454	0.25 Max	0.40 Max	0.10 Max	0.50-1.0	2.4-3.0	.05-.20	25 Max	.25 Max	.05 0.15	Remainder
6061	.40-.8	0.7 Max	.15-.40	0.15 Max	0.8-1.2	.04-.35	25 Max	.15 Max	.05 0.15	Remainder
6063	.20-.6	0.35 Max	.10 Max	0.10 Max	.45-0.9	.10 Max	.10 Max	.10 Max	.05 0.15	Remainder
**6262	.40-0.8	0.7 Max	.15-.40	0.15 Max	0.8-1.2	.04-.14	25 Max	.15 Max	.05 0.15	Remainder
7075	.40 Max	.50 Max	1.2-2.0	0.30 Max	2.1-2.9	.18-.28	5.1-6.1	.20 Max	.05 0.15	Remainder

* 2011 Also contains Lead and Bismuth each at 0.20%-0.6%

** 6262 Contains Lead and Bismuth each at 0.40-0.7%.