



HSM Wire International, Inc

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| Chemical Composition Limits of Aluminum Alloy | | | | | | | | | | | | | | | | | | |
|---|---------------|-------|------------|-----------|-----------|-----------|-----|-----------|-------|-------|-------|-------|-----|------|-----------|------------|-------|-------|
| Alloy | Si | Fe | Cu | Mn | Mg | Cr | Ni | Zi | Ti | Ga | V | Zn | C | B | AL | Each (.) | Total | Other |
| 1100 | 0.095 Si + Fe | | .05 - .20 | 0.05 | . . | . . | . . | 0.10 | . . | n/a | n/a | n/a | n/a | n/a | 99.00 | 0.05 | 0.15 | |
| 1199 | 0.006 | 0.006 | 0.006 | 0.002 | 0.006 | n/a | n/a | n/a | 0.002 | 0.005 | 0.005 | 0.006 | n/a | n/a | 99.99 | 0.0020 | n/a | |
| 1350 | 0.10 | 0.40 | 0.05 | 0.01 | n/a | n/a | n/a | n/a | 0.01 | 0.03 | 0.01 | 0.05 | n/a | 0.05 | 99.50 | n/a | 0.10 | 0.03 |
| 2011 | 0.40 | 0.70 | 5.0 - 6.0 | . . | . . | . . | . . | 0.30 | . . | n/a | n/a | n/a | n/a | n/a | Remainder | 0.05 | 0.15 | |
| 2024 | 0.50 | 0.50 | 3.8 - 4.9 | .30 - .9 | 1.2 - 1.8 | 0.10 | . . | 0.25 | 0.15 | n/a | n/a | n/a | n/a | n/a | Remainder | 0.05 | 0.15 | |
| 3003 | 0.60 | 0.70 | .05 - .20 | 1.0 - 1.5 | . . | . . | . . | 0.10 | . . | n/a | n/a | n/a | n/a | n/a | Remainder | 0.05 | 0.15 | |
| 5005 | 0.30 | 0.70 | 0.20 | 0.20 | .50 - 1.1 | 0.10 | . . | 0.25 | . . | n/a | n/a | n/a | n/a | n/a | Remainder | 0.05 | 0.15 | |
| 5052 | 0.25 | 0.40 | 0.10 | 0.10 | 2.2 - 2.8 | .15 - .35 | . . | 0.10 | . . | n/a | n/a | n/a | n/a | n/a | Remainder | 0.05 | 0.15 | |
| 5083 | 0.40 | 0.40 | 0.10 | .40 - 1.0 | 4.0 - 4.9 | .05 - .25 | . . | 0.25 | 0.15 | n/a | n/a | n/a | n/a | n/a | Remainder | 0.05 | 0.15 | |
| 5086 | 0.40 | 0.50 | 0.10 | .20 - .7 | 3.5 - 4.5 | .05 - .25 | . . | 0.25 | 0.15 | n/a | n/a | n/a | n/a | n/a | Remainder | 0.05 | 0.15 | |
| 6061 | .40 - .8 | 0.70 | .15 - 0.40 | 0.15 | .8 - 1.2 | .04 - .35 | . . | 0.25 | 0.15 | n/a | n/a | n/a | n/a | n/a | Remainder | 0.05 | 0.15 | |
| 6063 | .20 - .6 | 0.35 | 0.10 | 0.10 | .45 - 0.9 | 0.10 | . . | 0.10 | 0.10 | n/a | n/a | n/a | n/a | n/a | Remainder | 0.05 | 0.15 | |
| 7075 | 0.40 | 0.50 | 1.2 - 2.0 | 0.30 | 2.1 - 2.9 | .18 - .28 | . . | 5.1 - 6.1 | 0.20 | n/a | n/a | n/a | n/a | n/a | Remainder | 0.05 | 0.15 | |

Composition (in percent) by weight maximum unless shown as a range or a minimum.

[Click here for Periodic Table](#)

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This is to be used as a guideline only.