

WEIGHT CONVERSION FACTORS

Where weights of aluminum sheet and plate have been computed on the basis of 0.100 pound per cubic inch, as in Table 7.4, the weights for specific alloys can be determined

| ALUMINUM ALLOY | DENSITY lb./cu. in. | WEIGHT CONVERSION FACTOR |
|----------------|---------------------|--------------------------|
| 1060 | 0.0975 | 0.975 |
| 1100 | 0.098 | 0.98 |
| 1350 | 0.0975 | 0.975 |
| 2014 | 0.101 | 1.01 |
| 2024 | 0.100 | 1.00 |
| 2219 | 0.103 | 1.03 |
| 2036 | 0.100 | 1.00 |
| 2124 | 0.100 | 1.00 |
| 3003 | 0.099 | 0.99 |
| 3004 | 0.098 | 0.98 |
| 3005 | 0.098 | 0.98 |
| 3105 | 0.098 | 0.98 |
| 5005 | 0.098 | 0.98 |
| 5050 | 0.097 | 0.97 |
| 5052 | 0.097 | 0.97 |
| 5083 | 0.096 | 0.96 |
| 5086 | 0.096 | 0.96 |

by means of the “Weight Conversion Factors” listed in the following table:

| ALUMINUM ALLOY | DENSITY lb./cu. in. | WEIGHT CONVERSION FACTOR |
|----------------|---------------------|--------------------------|
| 5154 | 0.096 | 0.96 |
| 5252 | 0.096 | 0.96 |
| 5254 | 0.096 | 0.96 |
| 5454 | 0.097 | 0.97 |
| 5456 | 0.096 | 0.96 |
| 5457 | 0.097 | 0.97 |
| 5652 | 0.097 | 0.97 |
| 5657 | 0.097 | 0.97 |
| 6061 | 0.098 | 0.98 |
| 7049 | 0.103 | 1.03 |
| 7050 | 0.102 | 1.02 |
| 7075 | 0.101 | 1.01 |
| 7178 | 0.102 | 1.02 |
| 7475 | 0.101 | 1.01 |

Example: Find the weight per square foot of 0.125 sheet in alloy 6061. The weight per square foot listed for this thickness on page 7-23 is 1.80 pounds. Multiplying this weight by the factor 0.98 given above for alloy 6061 gives 1.76 pounds per square foot.