

At least 90 percent of the area of the sheet shall be within the tolerances given in the following table. At no point shall the thickness vary from the nominal by a value greater than 125 percent of this specified tolerance. (Per NEMA MIL-I-24768 Paragraph 3.4.8.1)

| Nominal Thickness, Inches | Grades X XP, XPC, XX, XXP, XXX, XXXP, XXXPC | Grade CE | Grade C | Grade L | Grade LE | Grades G-3, G-5, G-7, G-9, G-10, G-11, FR-4, FR-5 |
|---------------------------|---|----------|-----------|-----------|----------|---|
| | x / - | x / - | x / - | x / - | x / - | x / - |
| 0.010 | 0.002 | - | - | 0.003 | - | 0.002 |
| 0.015 | 0.0025 | - | - | 0.0035 | 0.0035 | 0.003 |
| 0.020 | 0.003 | - | - | 0.004 | 0.004 | 0.004 |
| 0.025 | 0.0035 | 0.005 | - | 0.0045 | 0.0045 | 0.005 |
| 0.031 | 0.0035 | 0.0065 | 0.0065 | 0.005 | 0.005 | 0.0065 |
| 0.047 | 0.0045 | 0.0075 | 0.0075 | 0.0055 | 0.0055 | 0.0075 |
| 0.062 | 0.005 | 0.0075 | 0.0075 | 0.006 | 0.006 | 0.0075 |
| 0.094 | 0.007 | 0.009 | 0.009 | 0.007 | 0.007 | 0.009 |
| 0.125 | 0.008 | 0.010 | 0.010 | 0.008 | 0.008 | 0.012 |
| 0.156 | 0.009 | 0.012 | 0.011 | 0.009 | 0.009 | 0.015 |
| 0.188 | 0.010 | 0.0125 | 0.0125 | 0.010 | 0.010 | 0.019 |
| 0.219 | 0.011 | 0.014 | 0.014 | 0.011 | 0.011 | 0.021 |
| | + / - | + / - | Plus Only | Plus Only | + / - | + / - |
| 0.250 | 0.012 | 0.015 | 0.030 | 0.024 | 0.012 | 0.022 |
| 0.312 | 0.014 | 0.017 | 0.035 | 0.029 | 0.0145 | 0.026 |
| 0.375 | 0.017 | 0.020 | 0.040 | 0.034 | 0.017 | 0.030 |
| 0.438 | 0.019 | 0.022 | 0.044 | 0.038 | 0.019 | 0.033 |
| 0.500 | 0.021 | 0.024 | 0.048 | 0.042 | 0.021 | 0.036 |
| 0.625 | 0.024 | 0.027 | 0.053 | 0.048 | 0.024 | 0.040 |
| 0.750 | 0.027 | 0.029 | 0.058 | 0.054 | 0.027 | 0.043 |
| 0.875 | 0.030 | 0.031 | 0.062 | 0.060 | 0.030 | 0.046 |
| 1.000 | 0.033 | 0.033 | 0.065 | 0.065 | 0.033 | 0.049 |
| 1.125 | 0.035 | 0.035 | 0.069 | 0.069 | 0.035 | 0.053 |
| 1.250 | 0.037 | 0.037 | 0.073 | 0.073 | 0.037 | 0.055 |
| 1.375 | 0.039 | 0.039 | 0.077 | 0.077 | 0.039 | 0.058 |
| 1.500 | 0.041 | 0.041 | 0.081 | 0.081 | 0.041 | 0.061 |
| 1.625 | 0.043 | 0.043 | 0.085 | 0.085 | 0.043 | 0.064 |
| 1.750 | 0.045 | 0.045 | 0.089 | 0.089 | 0.045 | 0.067 |
| 1.875 | 0.047 | 0.047 | 0.093 | 0.093 | 0.047 | 0.070 |
| 2.000 | 0.049 | 0.049 | 0.097 | 0.097 | 0.049 | 0.073 |
| 2.125 | 0.052 | - | 0.105 | 0.105 | - | 0.079 |
| 2.500 | 0.056 | - | 0.113 | 0.113 | - | 0.085 |
| 2.750 | 0.061 | - | 0.121 | 0.121 | - | 0.091 |
| 3.000 | 0.065 | - | 0.130 | 0.130 | - | 0.097 |
| 3.500 | 0.073 | - | 0.146 | 0.146 | - | 0.110 |
| 4.000 | 0.082 | - | 0.163 | 0.163 | - | 0.122 |
| 4.500 | 0.090 | - | 0.179 | 0.179 | - | 0.134 |
| 5.000 | 0.095 | - | 0.190 | 0.190 | - | 0.156 |
| 5.500 | 0.105 | - | 0.210 | 0.210 | - | 0.156 |
| 6.000 | 0.115 | - | 0.230 | 0.230 | - | 0.172 |

Tolerances for length and width in manufactured sheets are within +/- 1.000" of nominal sheet size (per NEMA)



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