



Elastomeric Material Solutions

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Thickness Tolerances for DSP® Silicone Products

Solid Silicone Sheet Thickness Tolerances

Includes cured and uncured solid silicone sheeting with and without reinforcement produced by calendaring. Does not include uncured, unsupported, solid silicone compound pre-formed into sheets by milling.

Imperial Thickness Tolerance, inches

Nominal Thickness	Tolerance
0.000 to 0.039	+/- 0.007
0.040 to 0.069	+/- 0.012
0.070 to 0.134	+/- 0.017
0.135 to 0.500	+/- 0.022

Metric Thickness Tolerance, mm [2]

Nominal Thickness	Tolerance
0.00 to 1.00	+/- 0.18
1.01 to 1.75	+/- 0.30
1.76 to 3.40	+/- 0.43
3.40 to 12.70	+/- 0.56

Cellular, Closed Cell Sponge, Silicone Sheet Thickness Tolerances

Includes cured cellular, closed cell sponge, silicone sheeting with and without reinforcement [1]

Imperial Thickness Tolerance, inches

Nominal Thickness	Tolerance
0.000 to 0.063	+ 0.030 / - 0.016
0.064 to 0.188	+/- 0.030
0.189 to 0.313	+ 0.050 / - 0.030
0.314 to 0.500	+/- 0.060
0.501 to 0.750	+/- 0.090
0.751 to > 0.750	+/- 0.120

Metric Thickness Tolerance, mm [2]

Nominal Thickness	Tolerance
0.00 to 1.60	+ 0.41 / - 0.76
1.61 to 4.78	+/- 0.76
4.79 to 7.95	+ 1.27 / - 0.76
7.96 to 12.70	+/- 1.52
12.71 to 19.05	+/- 2.29
19.06 to > 19.05	+/- 3.05

Cellular, Open Cell Foam, Silicone Sheet Thickness Tolerances

Includes cured cellular, open cell foam, silicone sheeting without reinforcement [1]

Imperial Thickness Tolerance, inches

Nominal Thickness	Tolerance
0.031	+/- 0.015
0.063	+/- 0.020
0.094	+/- 0.020
0.125	+/- 0.025
0.188	+/- 0.030
0.250	+/- 0.040
0.375	+/- 0.060
0.500	+/- 0.060
0.750	+/- 0.090
1.000	+/- 0.090

Metric Thickness Tolerance, mm [2]

Nominal Thickness	Tolerance
0.79	+/- 0.38
1.59	+/- 0.51
2.38	+/- 0.51
3.18	+/- 0.64
4.76	+/- 0.76
6.35	+/- 1.02
9.53	+/- 1.52
12.70	+/- 1.52
19.05	+/- 2.29
25.40	+/- 2.29

[1] In the case of laminated products these tolerances apply only to the individual layers and not the overall thickness of the laminate. Laminate thicknesses are nominal.

[2] Imperial or metric tolerance govern based on the measurement system of the part description.