

Silicone (FDA Grade)

Specifications

January 2011

Description: This FDA Grade Silicone sheeting is commonly used in applications where food or consumables are present. The ingredients used to make this product are listed in CFR 177.2600, an FDA regulation dealing with rubber articles intended for repeated use in contact with food. It is resistant to both high and low temperature extremes, and is commonly used for gasketing solutions in harsh environments.

Compound: Silicone conforming to 21 CFR 177.2600, ASTM D2000

Color: White

Durometer: 55-65

Temperature Range: -103 F to 500 F

Minimum Tensile: 870 PSI or 6 MPA

Finish: Smooth

Minimum Elongation: 300%

Gauges: 1/32", 1/16", 3/32", 1/8", 3/16", 1/4", 3/8" and 1/2"
(custom gauges available upon request)

Widths: 36" (custom widths up to 60" available upon request)

PSA: Pressure Sensitive Adhesive (Tyco 3281A) is available in a standard PSA acrylic (200F continuous 225F intermittent) version and a HTAPSA high temperature acrylic (350F continuous 450F intermittent) version.

Chemical Resistance: Excellent resistance to Acetic Acid, Ammonia Gas (hot and cold), Corn Oil, Fish Oil, Lime Sulfur, Methyl Ether, Ozone, Sodium Sulfate, Tartaric Acid, Vinegar, and many more. For Silicone's compatibility with your specific medium please consult a Rubber-Cal representative.

Application: High-Temperature Gasketing, Food Processing, Laboratory Equipment, Chemical Resistance, Low Compression Materials, FDA approved Applications.

Flexibility: This medium durometer (55-65) sheet rubber offers moderate pliability and elasticity.

Custom Cuts: In addition to hand fabrication, this product can be fabricated using laser, die, and water-jet cutting. Please submit your drawings for a price quote.

Availability: Silicone FDA is made to order.

Thickness	Width	1.5m to 7.3m or 5' min. to 24'	7.6m to 14.9m or 25' to 49'	15.2m to 76.2m or 50' to 250'	76.5m + or 251' +	In Stock
1/32" or 0.8mm	36" or 91.4 cm	\$17.71	\$14.76	\$9.49	\$7.38	✓
1/16" or 1.6mm	36" or 91.4 cm	\$26.95	\$22.46	\$14.44	\$11.23	✓
3/32" or 2.4mm	36" or 91.4 cm	N/A	N/A	\$22.69	\$17.65	Made to Order
1/8" or 3.2mm	36" or 91.4 cm	\$58.52	\$48.77	\$31.35	\$24.38	✓
3/16" or 4.8mm	36" or 91.4 cm	N/A	N/A	\$40.84	\$31.76	Made to Order
1/4" or 6.4mm	36" or 91.4 cm	N/A	N/A	\$56.93	\$44.28	Made to Order
3/8" or 9.5mm	36" or 91.4 cm	N/A	N/A	\$89.93	\$69.94	Made to Order
1/2" or 12.7mm	36" or 91.4 cm	N/A	N/A	\$120.45	\$93.68	Made to Order

All prices quoted above are per linear foot and in USD\$. Minimum order on any stock width is 5'.