

<b>Modus™ Commercial Molded Rubber Tolerance Table</b> Dimensional Tolerance Table for Molded Rubber Products Drawing Designation "A3" Commercial	SIZED (MILLIMETERS)	FIXED	CLOSURE	SIZE (INCHES)	FIXED	CLOSURE
	0 - 10	± 0.20	± 0.32	0 - 0.40	± 0.008	± 0.013
	10 - 16	0.25	0.40	0.40 - 0.63	0.010	0.016
	16 - 25	0.32	0.50	0.63 - 1.00	0.013	0.020
	25 - 40	0.40	0.63	1.00 - 1.60	0.016	0.025
	40 - 63	0.50	0.80	1.60 - 2.50	0.020	0.032
	63 - 100	0.63	1.00	2.50 - 4.00	0.025	0.040
	100 - 160	0.80	1.25	4.00 - 6.30	0.032	0.050
160 - & over multiple by	0.005	0.008	6.30 - & over multiple by	0.004	0.008	

(source: RMA Handbook for Molded, Extruded Lathe Cut and Cellular Products, 5th ed. 1992)

<b>Modus™ Standard Length and Width Die Cut, Water Jet, CNC Knife Tolerances</b>	MATERIAL TYPE RMA DRAWING DESIGNATION INCHES	FILM BL1 TOLERANCE	SOLID OR DENSE BL2 TOLERANCE	SPONGE OR FOAM DENSE BL3 TOLERANCE	
	For thickness up to .2499**				
	under 1.0"	± .010"		± .015"	± .025"
	1.0" to 6.3"	.015"		.025"	.032"
	over 6.3" multiple by	0.004"		0.010"	0.0063"
	For thickness from .25" to .50**				
	under 1.0"			± .030"	± .040"
	1.0" to 6.3"	N/A		.040"	.050"
	over 6.3" multiple by			0.005"	0.0063"
	For thickness over .50" *				
	under 1.0"				± .050"
	1.0" to 6.3"	N/A		N/A	.070"
	over 6.3" multiple by				0.010"

\*Separate schedules of length and width tolerances are listed for different thickness of these materials because of the "dish" effect in die-cutting. This is more noticeable as the thickness increases. The "dish" effect is a concavity of die-cut edges (due to the squeezing of the material by the pressure of the curing die). The length or width on the top and bottom surfaces is slightly greater than the length or width at the center.

<b>Modus™ Thickness Tolerance Table for Dense Rubber</b> Tolerances for the Thickness of Sheet Rubber and Diaphragm Sheet	NOMINAL THICKNESS (in)		TOL. (in)	NOMINAL THICKNESS (IN)		TOL. (in)
	FRACTIONS	DECIMALS	±	FRACTIONS	DECIMALS	±
	Under 1/32	Under 0.031	0.010	3/8 to but not including 9/16	0.375 to 0.562	0.047
	1/32 to but not including 1/16	0.031 to 0.062	0.012	9/16 to but not including 3/4	0.562 to 0.750	0.062
	1/16 to but not including 1/8	0.062 to 0.125	0.016	3/4 to but not including 1	0.750 to 1.000	0.094
	1/8 to but not including 3/16	0.125 to 0.187	0.020	1 and over	1.000 and over	10%
3/16 to but not including 3/8	0.187 to 0.375	0.031				

(source: RMA Sheet Handbook, 3rd ed. 1980)