



VIP Rubber Co. Standard Tolerance Tables

(These tolerances will apply unless specifically agreed to by VIP Rubber Company, Inc.)

Calendar Sheeting	
Dimension	Tolerance
Under .031"	+/- .010"
.032" - .062"	+/- .012"
.063" - .125"	+/- .016"
.126" - .187"	+/- .020"
.188" - .375"	+/- .031"
.376" - .562"	+/- .047"
Hardness	+/- 5 Points

(Custom thicknesses are available from .008" to .500", call for details)

Plastic Extrusion			
Class 1 Materials		Class 2 Materials	
<ul style="list-style-type: none"> Rigid PVC Flexible PVC Thermoplastic Elastomers (TPR) 		<ul style="list-style-type: none"> Styrene Polypropylene EVA ABS Polyethylene 	
Dimension	Tolerance	Dimension	Tolerance
0.0 - .250"	+/- .008"	0.0 - .250"	+/- .010"
.251" - .500"	+/- .010"	.251" - .500"	+/- .015"
.501" - .750"	+/- .015"	.501" - .750"	+/- .020"
.751" - 1.0"	+/- .020"	.751" - 1.0"	+/- .030"
Over 1.00" use 2%		Over 1.00" use 3%	

Mold			
RMA - High Precision "A1"			
Size		Fixed	Closure
Above	Incl.		
0	.40"	+/- .004"	+/- .005"
.40"	.63"	+/- .005"	+/- .006"
.63"	1.00"	+/- .006"	+/- .008"
1.00"	1.60"	+/- .008"	+/- .010"
1.60"	2.50"	+/- .010"	+/- .013"
2.50"	4.00"	+/- .013"	+/- .016"
4.0"	6.30"	+/- .016"	+/- .020"

- RMA MO-1 (2005) Table 2

Mold			
RMA – Precision “A2”			
Size		Fixed	Closure
Above	Incl.		
0	.40”	+/- .006”	+/- .008”
.40”	.63”	+/- .008”	+/- .010”
.63”	1.00”	+/- .010”	+/- .013”
1.00”	1.60”	+/- .013”	+/- .016”
1.60”	2.50”	+/- .016”	+/- .020”
2.50”	4.00”	+/- .020”	+/- .025”
4.0”	6.30”	+/- .025”	+/- .032”
6.30”	& over multiply by	+/- .004”	+/- .005”

• RMA MO-1 (2005) Table 3

Mold			
RMA – Commercial “A3”			
Size		Fixed	Closure
Above	Incl.		
0	.40”	+/- .008”	+/- .013”
.40”	.63”	+/- .010”	+/- .016”
.63”	1.00”	+/- .013”	+/- .020”
1.00”	1.60”	+/- .016”	+/- .025”
1.60”	2.50”	+/- .020”	+/- .032”
2.50”	4.00”	+/- .025”	+/- .040”
4.0”	6.30”	+/- .032”	+/- .050”
6.30”	& over multiply by	+/- .005”	+/- .008”

• RMA MO-1 (2005) Table 4

• NOTE: Molded Sheet tolerance determined by Mold Dept. Manager, call for details.

RMA Rubber Extrusion Tolerance Table			
Dimension		Tolerance	
Above	Up to	Precision	Commercial
0.0	0.06”	+/- 0.010”	+/- 0.015”
0.06”	0.10”	+/- 0.014”	+/- 0.020”
0.10”	0.16”	+/- 0.016”	+/- 0.027”
0.16”	0.25”	+/- 0.020”	+/- 0.031”
0.25”	0.39”	+/- 0.027”	+/- 0.039”
0.39”	0.63”	+/- 0.031”	+/- 0.051”
0.63”	0.98”	+/- 0.039”	+/- 0.063”
0.98”	1.57”	+/- 0.051”	+/- 0.079”
1.57”	2.48”	+/- 0.063”	+/- 0.098”
2.48”	3.94”	+/- 0.079”	+/- 0.126”
Hardness		+/- 5 Points	

* Standard RMA Commercial tolerance will apply unless otherwise specified by customer and agreed to by VIP.

* Tolerance Table does not include lathe cut & mandrel supported extrusions.

Rubber Extrusion (Closed-Cellular Rubber) Irregular Shapes		
RMA Commercial "BEC 2"		
Dimension		Tolerance
Above	Included	
0	.25"	+/- .020"
.25"	.50"	+/- .040"
.50"	1.0"	+/- .080"
1.0"	1.6"	+/- .125"
1.6 & over multiply by		+/- .080"

- RMA MO-1 (2005) Table 36

Rubber Extrusion (Closed-Cellular Rubber) Regular Shapes		
RMA Commercial "BER 2"		
Dimension		Tolerance
Above	Included	
.125"	.50"	+/- .032"
.50"	1.0"	+/- .050"
1.0"	2.0"	+/- .080"
2.0"	3.15"	+/- .125"
3.15" & over multiply by		+/- .080"

- RMA MO-1 (2005) Table 37

Rubber Extrusion (Closed-Cellular Silicone) Cross - Sectional		
RMA Commercial "SEC 3"		
Dimension		Tolerance
Above	Included	
0	.25"	+.032" -.016"
.25"	.50"	+.050" -.032"
.50"	1.00"	+/- .063"
1.00"	1.50"	+/- .100"
1.50"	2.00"	+/- .125"
2.00" & over multiply by		+/- .002"

- RMA MO-1 (2005) Table 33

RMA Splice Length Tolerances			
RMA CLASS	1 Precision	2 Commercial	3 Non-Critical
Inches Above - Up to	S1	S2	S3
0 - 10	+/- .13	+/- .25	+/- .28
10 - 16	.16	.28	.32
16 - 25	.20	.32	.36
25 - 40	.25	.36	.40
40 - 63	+.32	.40	.45
63 - 100	.40	.45	.50
100 - OVER	.50	.50	.53

- RMA MO-1 (2005) Table 18