

RMA Table 35 Length and Width Die Cut Sponge #2, BL2

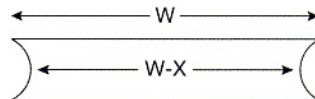
Tolerances on length and width dimensions of die-cut sheet or strip, expanded, closed-cellular rubber.

RMA Class	1	2	3
RMA Drawing Designation	BL1	BL2	BL3
Millimeters	Tolerance		
For thickness up to 6.3mm*			
under 25	±0.63	±0.80	±1.0
25 to 160	0.80	1.0	1.25
over 160 multiply by	0.0063	0.01	0.016
For thickness over 6.3 to 12.5mm*			
under 25	±0.81	±1.0	±1.25
25 to 160	1.0	1.25	1.6
over 160 multiply by	0.0063	0.01	0.016
For thickness over 12.5 mm*			
under 25	±1.0	±1.25	±1.6
25 to 160	1.25	1.6	2.0
over 160 multiply by	0.0063	0.01	0.016
Inches	Tolerance		
For thickness up to .25 in.*			
under 1.0	±.025	±.032	±.040
1.0 to 6.3	.032	.040	.050
over 6.3 multiply by	0.0063	0.010	0.016
For thickness over .25 to .50 in.*			
under 1.0	±.032	±.040	±.050
1.0 to 6.3	.040	.050	.063
over 6.3 multiply by	0.0063	0.010	0.016
For thickness over .50 in.*			
under 1.0	±.040	±.050	±.063
1.0 to 6.3	.050	.063	.080
over 6.3 multiply by	0.0063	0.010	0.016

*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. As shown in the drawing below, the "dish" effect is a concavity of die-cut edges (due to the squeezing of the material by the pressure of the cutting die).

Figure 32

The width "W" (or length) at the top and bottom surface are slightly greater than the width "W-X" at the center.



Note: Class 1 tolerances should not be applied to the softer grades of material, below 63 kPa (9 psi).