

PLEXIGLAS® SHEET: Surface Deflection

ACRYLIC SHEET

PLEXIGLAS® SHEET:

Estimated surface deflection of horizontally mounted, flat panels:

All four edges simply supported. Load is weight of the Plexiglas® sheet only.
Temperature < 120°F.

Thickness (in)	Size(in)	Initial(in)	One Year(in)	Three Years(in)
0.118	12 x 12	1/16	1/16	1/16
0.118	18 x 18	1/16	1/16	1/16
0.118	24 x 24	1/8	3/16	3/16
0.118	30 x 30	3/16	5/16	5/16
0.118	36 x 36	5/16	7/16	7/16
0.118	42 x 42	3/8	9/16	9/16
0.118	48 x 48	1/2	11/16	3/4
0.118	60 x 60	3/4	1	1 1/16
0.177	12 x 12	1/16	1/16	1/16
0.177	18 x 18	1/16	1/16	1/16
0.177	24 x 24	1/16	1/8	1/8
0.177	30 x 30	1/8	3/16	3/16
0.177	36 x 36	3/16	5/16	3/8
0.177	42 x 42	5/16	7/16	1/2
0.177	48 x 48	7/16	5/8	5/8
0.177	60 x 60	11/16	7/8	15/16
0.236	12 x 12	1/16	1/16	1/16
0.236	18 x 18	1/16	1/16	1/16
0.236	24 x 24	1/16	1/16	1/16
0.236	30 x 30	1/16	1/8	1/8
0.236	36 x 36	1/8	1/4	1/4
0.236	42 x 42	1/4	3/8	3/8
0.236	48 x 48	7/16	1/2	9/16
0.236	60 x 60	9/16	13/16	7/8

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