

# PLEXIGLAS® SHEET: Plexiglas® G Dimensional Tolerance

ACRYLIC SHEET

## Flatness Tolerance

As manufactured, the flatness tolerance of Plexiglas G sheet depends on the long dimension. This allowance is based on ASTM D-4802, Section 5.6.1.

### The tolerances are listed below:

For dimensions less than or equal to 48", the maximum allowable bow as manufactured is 1/4".

For dimensions greater than 48" but less than or equal to 96", the maximum allowable bow as manufactured is 1/2".

For dimensions greater than 96" but less than or equal to 168", the maximum allowable bow as manufactured is 3/4".

## Length and Width Tolerance

The length and width tolerance for all Plexiglas G sheets is + 1/4" and -0" per ASTM D-4802.

**Plexiglas® G Acrylic Sheet – Thickness Tolerance Chart per ASTM D-4802**

Sheet Size	Up to 36" x 60"		Up to 48" x 84" and 60" x 72"		Up to 74" x 99"	
	MIN	MAX	MIN	MAX	MIN	MAX
0.118"	0.093"	0.133"	0.088"	0.138"	0.078"	0.148"
0.177"	0.144"	0.194"	0.139"	0.199"	0.134"	0.204"
0.236"	0.196"	0.256"	0.191"	0.261"	0.186"	0.266"
0.354"	0.299"	0.379"	0.294"	0.384"	0.289"	0.389"
0.472"	0.407"	0.497"	0.402"	0.502"	0.397"	0.507"
0.500"	0.435"	0.525"	0.430"	0.530"	0.425"	0.535"
0.625"	0.548"	0.658"	0.548"	0.658"	0.543"	0.663"
0.709"	0.629"	0.739"	0.629"	0.739"	0.619"	0.749"
0.945"	0.858"	0.968"	0.858"	0.968"	0.833"	0.993"
1.000"	0.913"	1.023"	0.913"	1.023"	0.888"	1.048"
1.250"	1.156"	1.302"	1.156"	1.302"	1.156"	1.302"
1.375"	1.275"	1.421"	1.275"	1.421"	1.248"	1.440"
1.500"	1.379"	1.539"	1.379"	1.539"	1.341"	1.577"
1.750"	1.613"	1.799"	1.613"	1.799"	1.570"	1.842"
2.000"	1.848"	2.058"	1.848"	2.058"	1.798"	2.108"

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