CAST ACRYLIC SHEET

Dimensional Tolerances | Thickness & Cut Size

Chinese standard: GB/T 7134-2026 - Cast industrial poly(methyl methacrylate) sheets.
Publication: 2 July 2026 | **Implementation:** 1 February 2027 | **Edition:** November 2026

Standards status: The 2026 edition has been published but is not yet effective as of this document date. GB/T 7134-2008 remains the current edition until the replacement date.

1. Nominal thickness and permitted deviation (mm)

Numerical reference transcribed from the dimensional-tolerance table of GB/T 7134-2026. Check the original Chinese standard and relevant conditions for use.

Thickness (mm)	Tolerance (mm)	Thickness (mm)	Tolerance (mm)
1.5	+/- 0.2	30	+/- 1.7
2	+/- 0.4	35	+/- 1.7
2.5	+/- 0.4	40	+/- 2
2.8	+/- 0.4	45	+/- 2
3	+/- 0.4	50	+/- 2.5
3.5	+/- 0.5	55	+/- 3
4	+/- 0.5	60	+/- 3
4.5	+/- 0.5	65	+/- 3
5	+/- 0.5	70	+/- 3
6	+/- 0.5	75	+/- 3
8	+/- 0.5	80	+/- 3.5
9	+/- 0.6	85	+/- 3.5
10	+/- 0.6	90	+/- 3.5
11	+/- 0.7	95	+/- 3.5
12	+/- 0.7	100	+/- 4
13	+/- 0.8	110	+/- 4
15	+/- 1	120	+/- 4
16	+/- 1	130	+/- 4.5
18	+/- 1	140	+/- 4.5
20	+/- 1.5	150	+/- 5
25	+/- 1.5		

2. Cut-sheet length and width (mm)

Nominal length / width	Permitted deviation
Up to 2000 mm	+/- 3 mm
2001-3000 mm	+/- 6 mm
3001 mm and above	+/- 0.3% of stated length or width

3. Large format and technical notes

For sheet formats from 2000 x 3000 mm up to 3000 x 7000 mm, a 30% increase to the stated thickness tolerances may apply; for formats larger than 3000 x 7000 mm, a 50% increase may apply under the standard conditions. Confirm applicability with the Chinese original. Sizes outside the stated scope require separate agreement.

The tables above concern **cast PMMA sheet**, not extruded sheet, acrylic tubes or rods. They are extracted technical reference information, not an official English-language publication of the national standard.

Official reference: GB/T 7134-2026 standard information (SAMR)

This KINGSIGN ACRYLIC compilation is an independent English technical reference. In case of interpretation differences, consult the official Chinese text.