

Standard Product Specifications for KYDEX® Sheet

TB - 147

Introduction

KYDEX® thermoplastic sheet has specific standards for each product. There are general specifications in which all products are manufactured. The following ranges are used as standard tolerances, unless otherwise specified:

- Length & Width = 0mm (0") or 9.52mm (0.375")
- Squareness = 2.60mm per meter (0.031" per foot) or 6.35mm per 2.44m sheet (0.250" per 8' sheet)

Thickness

The following is a chart showing thickness specifications by nominal thickness. From this nominal thickness a low and high value is derived to provide a range in which sheet is manufactured to.

NOMINAL	LOW	HIGH	+/- RANGE	Approx. % VARIATION
0.56mm (0.022")	0.51mm (0.020")	0.66mm (0.026")	+ 0.10mm (0.004") / - 0.05mm (0.002")	+ 18.0% / - 9.0%
0.71mm (0.028")	0.58mm (0.023")	0.84mm (0.033")	+/- 0.13mm (0.005")	+/- 18.0%
1.02mm (0.040")	0.86mm (0.034")	1.17mm (0.046")	+/- 0.15mm (0.006")	+/- 15.0%
1.27mm (0.050")	1.09mm (0.043")	1.45mm (0.057")	+/- 0.18mm (0.007")	+/- 14.0%
1.52mm (0.060")	1.32mm (0.052")	1.72mm (0.068")	+/- 0.20mm (0.008")	+/- 13.0%
2.00mm (0.079")	1.80mm (0.071")	2.20mm (0.087")	+/- 0.20mm (0.008")	+/- 10.0%
2.03mm (0.080")	1.83mm (0.072")	2.23mm (0.088")	+/- 0.20mm (0.008")	+/- 10.0%
2.36mm (0.093")	2.13mm (0.084")	2.59mm (0.102")	+/- 0.23mm (0.009")	+/- 9.5%
2.54mm (0.100")	2.31mm (0.091")	2.77mm (0.109")	+/- 0.23mm (0.009")	+/- 9.0%
2.79mm (0.110")	2.56mm (0.101")	3.02mm (0.119")	+/- 0.23mm (0.009")	+/- 9.0%
3.00mm (0.118")	2.77mm (0.109")	3.23mm (0.127")	+/- 0.23mm (0.009")	+/- 7.5%
3.18mm (0.125")	2.95mm (0.116")	3.41mm (0.134")	+/- 0.23mm (0.009")	+/- 7.0%
3.96mm (0.156")	3.68mm (0.145")	4.24mm (0.167")	+/- 0.28mm (0.011")	+/- 7.0%
4.75mm (0.187")	4.42mm (0.174")	5.08mm (0.200")	+/- 0.33mm (0.013")	+/- 7.0%
5.59mm (0.220")	5.23mm (0.206")	5.95mm (0.234")	+/- 0.36mm (0.014")	+/- 7.0%
6.35mm (0.250")	5.89mm (0.232")	6.81mm (0.268")	+/- 0.46mm (0.018")	+/- 7.0%
7.92mm (0.312")	7.44mm (0.293")	8.40mm (0.331")	+/- 0.48mm (0.019")	+/- 6.0%
8.25mm (0.325")	7.77mm (0.306")	8.73mm (0.344")	+/- 0.48mm (0.019")	+/- 6.0%
9.52mm (0.375")	9.04mm (0.356")	10.00mm (0.394")	+/- 0.48mm (0.019")	+/- 5.0%
10.80mm (0.425")	10.27mm (0.404")	11.33mm (0.446")	+/- 0.53mm (0.021")	+/- 5.0%
12.70mm (0.500")	12.14mm (0.478")	13.26mm (0.522")	+/- 0.56mm (0.022")	+/- 4.5%

- The maximum thickness KYDEX® sheet can be manufactured at is 10.2mm (0.400") with the exception of KYDEX® 100 and KYDEX® T at 1,143.00mm-1,219.20mm (45"-48") widths in which the maximum thickness can be up to 12.70mm (0.500").
- Capped sheet will have a minimum thickness of 0.76mm (0.030") plus the thickness of the cap with the exception of KYDEX® WG where the minimum thickness will be 0.56mm (0.022") plus the thickness of a standard cap, which is 0.20mm (0.008").
- Some custom orders (Special Customer Requests) have their own thickness specifications.

KYDEX, LLC

ISO 9001 and 14001 Certified

Customer Service

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Width

Standard widths for KYDEX® sheet:

- 914.40mm (36")
- 1,219.20mm (48")
- 1,524.00mm (60")

Minimum width for all KYDEX® sheet:

- 304.80mm (12")

Width	Max Embossed	Max Width	Max Web
914.40mm (36")	2.03mm-6.35mm (0.080"-0.250"): 1,930.40mm (76")	2,006.60mm (79")	2,032.00mm (80") (Individual products may vary)
1,219.20mm (48")	6.35mm-7.92mm (0.250"-0.312"): 1,930.40mm (76")	2,006.60mm (79")	2,032.00mm (80") (KYDEX® 100, KYDEX® T, KYDEX® V103 Only)
1,524.00mm (60")	7.92mm-8.89mm (0.312"-0.350"): 1,854.20mm (73")	1,981.20 (78")	2,006.60mm (79") (KYDEX® T, KYDEX® V103 Only)

Rolls

When KYDEX® sheet is ordered in rolls the maximum thickness of the sheet may not exceed a thickness of 1.27mm (0.050"). The maximum length of a roll may not exceed 114.30m (375') when the thickness is less than 1.02mm (0.040"). When the thickness is greater than 1.02mm (0.040") the length may not exceed 76.20m (250').

Colours and Textures

36 standard colours offered

The following products are not available in the colour 62000 (Polar White);

- KYDEX® 160
- KYDEX® 160a
- KYDEX® 6185
- KYDEX® 6200
- KYDEX® 6565

Masking is only available for KYDEX® sheet that has a P-A texture and a width of 48". The only products available with a P-A texture are KYDEX® T and KYDEX® V103 (Only without the lower specifications of the sheet).

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