

IntePro® Standard Products and Tolerance

Standard Thickness and Weight of Polypropylene (PP) IntePro

Thickness	2 mm	3 mm	4 mm	5 mm	6 mm	7 mm	8 mm	10 mm	13 mm	16 mm	19 mm	25 mm
Unit Weight in g/m ²	490	600	750	1,000	1,400	1,700	1,800	2,000	2,500	3,300	4,000	4,800
Unit Weight in lbs/msf	100	123	154	205	287	348	369	410	512	680	820	984

Note: PP IntePro of special weight and thickness may be available upon request.

Tolerance of IntePro

(a) Width:

Mill-Run IntePro: ± 1/8"

Square-Cut IntePro: ± 1/16"

(b) Length variation is listed in the following table.

IntePro Length	Mill-Run IntePro	Square-Cut IntePro
0" to 48"	0" to +3/4"	-1/16" to +1/8"
48" to 96"	0" to +1 1/2"	-1/8" to +1/4"
> 96"	0" to (1 1/2" + 1/4" x N*)	± 1/4"

Note: N = (Length of IntePro in inches - 96") / 24"

(c) Thickness: ± 5%

(d) Unit Weight: ± 5%

- (e) Surface Treatment (ASTM D2578):** > 46 dyne/cm (2 to 8 mm in thickness)
 > 42 dyne/cm (10 to 13 mm in thickness)
 > 40 dyne/cm (16 to 25 mm in thickness)

(f) Square Tolerance is the difference of the two diagonals of IntePro board.

	Mill-Run IntePro	Mill Run IntePro	Square-Cut IntePro
IntePro Length	2mm ~ 13mm	16mm ~ 25mm	All
0" ~ 48"	< 3/8"	< 3/4"	< 1/16"
48" to 96"	< 3/4"	< 1-1/4"	< 1/8"
> 96"	< (3/4" + 1/4" x N*)	< 1-1/4" + 1/4" x N*	< 1/4"

Note: N = (Length of IntePro in inches - 96") / 24"

(f) Square Tolerance is the difference of two diagonals of IntePro board.

IntePro Length	Mill-Run IntePro		Square-Cut IntePro
	2mm-13mm	16mm-25mm	All
0"-48"	$\leq 3/8"$	$\leq 3/4"$	$\leq 1/16"$
48"-96"	$\leq 3/4"$	$\leq 1\ 1/4"$	$\leq 1/8"$
>96"	$\leq (3/4"+1/4" \times N^*)$	$\leq (1\ 1/4"+1/4" \times N^*)$	$\leq 1/4"$

Note: $N = (\text{length of IntePro in inches} - 96) / 24$.

(g) Straightness

Length < 96"

Ratio of Length to Width	0 to 3	>3
Straightness Tolerance(2-13mm)	$\leq 1/8"$	$\leq 3/16"$
Straightness Tolerance(>13mm)	$\leq 1/4"$	$\leq 3/8"$

Length $\geq 96"$

Ratio of Length to Width	0 to 3	>3
Straightness Tolerance(2-13mm)	$\leq (3/16"+1/16" \times N^*)$	$\leq (1/4"+1/16" \times N^*)$
Straightness Tolerance(>13mm)	$\leq (3/8"+1/16" \times N^*)$	$\leq (1/2"+1/16" \times N^*)$

Note: $N = (\text{Length of IntePro in inches} - 96) / 24$

(h) **Warp** is the height of the "hump" when an IntePro board is laid on a flat surface. The warp tolerance can be found out from the following table.

Length of IntePro is < 96"

Width of IntePro	0" to 24"	24" to 48"	48" to 60"	> 60"
Warp Tolerance	< 1/4"	< 1/2"	< 1"	< 1 1/4"

Length of IntePro is $\geq 96"$

Width of IntePro	0" to 24"	24" to 48"	48" to 60"	> 60"
Warp Tolerance	$< (3/8"+1/8" \times N^*)$	$< (3/4"+1/4" \times N^*)$	$< (1\ 1/4"+1/4" \times N^*)$	$< (1\ 1/2"+1/4" \times N^*)$

Note: $N = (\text{Length of IntePro in inches} - 96) / 24$

(i) **Shipment on Piece Count:** - 0%, + 5% of order piece quantity

Note: The information is based on our current knowledge and is subjected to change without notice.