IntePro® TITAN Standard Products and Tolerance

Standard Thickness and Weight of Polypropylene (PP) IntePro® TITAN

Nominal Thickness	3 mm			5 mm			10 mm		
True Thickness	3 mm	3.5 mm	3.8 mm	5 mm	5.3 mm	5.7 mm	10 mm	10.5 mm	11 mm
Unit Weight in g/m^2	1,000	1,200	1,500	1, 000	1,500	2,000	2,000	3,000	4,000
Unit Weight in lbs/msf	205	246	308	205	308	410	410	616	820

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

Tolerance of IntePro® TITAN

(a) Width:
Standard IntePro® TITAN: ± 1/8"
Square Cut IntePro® TITAN: -1/16" to +1/8"

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

IntePro® TITAN Length	Standard IntePro® TITAN	Square Cut IntePro® TITAN
0" to < 48"	0" to +1/2"	-1/16" to +1/8"
48" to < 96"	0" to + 3/4"	-1/8" to +1/4"
≥ 96"	0" to + 1"	± 1/4"

(c) Thickness: ± 5%

(d) Unit Weight: ± 5%

(e) Surface Treatment (ASTM D2578): > 46 dyne/cm (3 to 6 mm in thickness)
> 40 dyne/cm (10 to 13 mm in thickness)

(f) Square Tolerance is the difference of the two diagonals of Intepro® TITAN board.

IntePro® TITAN Length	Standard IntePro® TITAN	Square Cut IntePro® TITAN
0" to < 48"	≤ 1/4"	≤ 1/16"
48" to < 96"	≤ 3/8"	≤ 1/8"
≥ 96"	≤ 1/2"	≤ 3/16"

(g) Straightness: IntePro® TITAN may slightly curve in along machine direction. The straightness is related to the ratio of length and width of IntePro® TITAN board. The straightness can be obtained from measuring the maximum gap between a straight edge and an IntePro® TITAN board when the two corners of IntePro® TITAN board touch the straight edge. The tolerance of straightness of standard IntePro® TITAN is listed in the following two tables.

Length of IntePro® TITAN is < 96"

Ratio of Length to Width	0 to ≤ 3	> 3
Straightness Tolerance	≤ 1/8"	≤ 3/16"

Length of IntePro® TITAN is ≥ 96"

Ratio of Length to Width	0 to ≤ 4	> 4
Straightness Tolerance	≤ 3/16"	≤ 1/4"

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

Length of IntePro® TITAN 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® TITAN is ≥ 96"

Width of IntePro	0" to < 24"	24" to < 48"	48" to < 60"	≥ 60"
Warp Tolerance	< 3/8"	< 3/4"	< 1 1/4"	< 1 1/2"

(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.