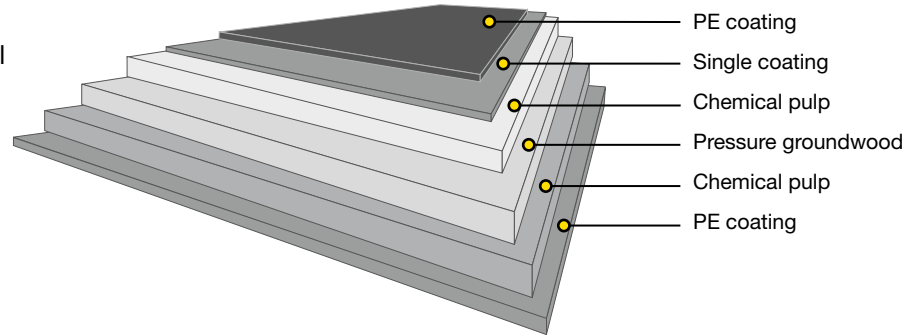


Coated folding boxboard

Tamfold 2PE is a two-side polyethylene-coated GC2 board. The board has chemical pulp layers on both sides and pressure groundwood in the middle layer. The top is white and the reverse is cream. The PE coating on both sides is transparent. Tamfold 2PE is also available hard-sized (HS).



Issued: 03.2021
Cancels: 08.2017

Technical specification

Property/Unit	Tolerance	15+190+15	15+200+15	15+210+15	15+220+15	15+230+15	15+240+15	15+250+15	15+260+15	15+275+15	15+300+15	15+325+15	Standards
Polymer coated board:													
Grammage, g/m ²		220	230	240	250	260	270	280	290	305	330	355	ISO 536
Polymer top, g/m ²		15	15	15	15	15	15	15	15	15	15	15	Mill method
Polymer reverse, g/m ²		15	15	15	15	15	15	15	15	15	15	15	
Thickness, μm		380	405	430	450	470	490	510	530	570	630	680	ISO 536
Baseboard:													
Grammage, g/m ²	±4%	190	200	210	220	230	240	250	260	275	300	325	ISO 536
Thickness, μm	±4% or max. ±20μm	350	375	400	420	440	460	480	500	540	600	650	ISO 534
Bending moment Taber 15° MD, mNm	-10%	8.7	10.2	12.4	14.1	15.7	17.5	19.9	21.9	25.8	32.9	39.7	ISO 2493
Bending moment Taber 15° CD, mNm	-10%	4.6	5.5	6.6	7.5	8.3	9.3	10.5	11.6	13.6	17.3	20.9	
Bending resistance L&W 15° MD, mN	-10%	180	211	257	292	325	362	412	453	534	681	822	
Bending resistance L&W 15° CD, mN	-10%	95	114	137	155	172	193	217	240	282	358	433	
Bending stiffness DIN 5° MD, mNm	-10%	17.4	20.3	24.7	28.1	31.3	34.9	39.7	43.7	51.5	65.6	79.2	DIN 53121
Bending stiffness DIN 5° CD, mNm	-10%	9.2	11.0	13.2	15.0	16.6	18.6	20.9	23.1	27.1	34.5	41.7	
Moisture, %	±1	7.5	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.5	8.5	9.2	ISO 287
ISO Brightness C/2°, %, Top	min. 78	80	80	80	80	80	80	80	80	80	80	80	ISO 2470-1
Surface Smoothness PPS 10, μm, Top		2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	ISO 8791-4
Scott Bond, J/m ²	min. 100	130	130	130	130	130	130	130	130	130	130	130	TAPPI 569
Edge wicking*, g/mm.m		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	
Robinson chocolate test		max. 0.5 for one year storage in reels/pallets											EN 1230-2

OBA not added

*) For hard-sized

All properties according to Ingerois and Forshaga Mills' measurements from board machine production. Laboratory test climate 23°C/50% RH (According to ISO 187). Tolerances based upon 95% confidence limits, apply to delivered reel/pallet average.

Certificates

Quality management ISO 9001
 Environmental management ISO 14001
 Product safety FSSC 22000
 Occupational health and safety ISO 45001
 Energy management ISO 50001



FSC and PEFC certified board available upon request.



Paperboard is recyclable

Key characteristics and main enduses

Tamfold 2PE provides excellent value, runnability and performance. It is an ideal packaging material for frozen food. The two-sided polyethylene coating provides excellent sealability in converting and protection against moisture. The continuous product development of Tamfold has resulted in excellent stiffness and bulk attributes, and the board also performs well in printing and converting processes, including digital printing, laser and inkjet coding. Tamfold offers excellent value for the money, thanks to its exceptional yield. Tamfold 2PE helps optimize package performance and saves materials, thus helping to reduce food waste. White and black PE coatings are also available.

Storage recommendations

For optimal printing results, the moisture proof wrapping should not be removed until the board has reached the temperature of the press room.

Pallet/Reel Weight (kg)	Difference in temperature between board and press room (press room temp. approx. 20°C)		
	10°C	20°C	30°C
400 kg	2 days	2 days	3 days
800 kg	2 days	3 days	4 days
1200 kg	2 days	4 days	5 days

The product properties, according to the specifications, are guaranteed for 12 months after the production date. In order to ensure product safety, the product must be well wrapped and stored indoors, sheltered from rain and snow. The recommended storage conditions are 50-55% relative humidity and 20-23°C.

For the Corona treatment, we recommend using the board within 12 months of the production date; after this period, the treatment level should be tested before printing or gluing.