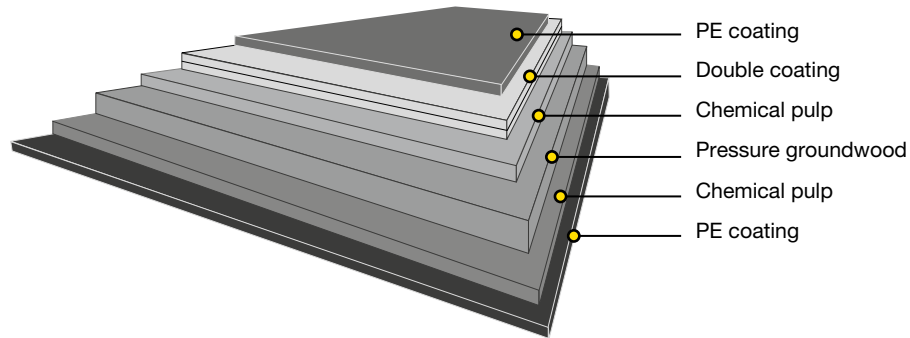


Fully coated folding boxboard

Tambrite 2PE is a two-sided 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. Tambrite 2PE is also available hard-sized (HS).



Issued: 03.2021
Cancels: 05.2018

Technical specification

Property/Unit	Tolerance	12+200+15	12+210+15	12+220+15	12+230+15	12+240+15	12+250+15	12+260+15	12+270+15	12+285+15	12+310+15	12+335+15	Standards
Polymer coated board:													
Grammage, g/m ²		227	237	247	257	267	277	287	297	312	337	362	ISO 536
Polymer top, g/m ²		12	12	12	12	12	12	12	12	12	12	12	Mill method
Polymer reverse, g/m ²		15	15	15	15	15	15	15	15	15	15	15	
Thickness, µm		375	400	425	445	465	485	505	525	565	625	675	ISO 534
Baseboard:													
Grammage, g/m ²	±4%	200	210	220	230	240	250	260	270	285	310	335	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%	9.0	10.7	12.4	14.3	16.2	18.1	20.5	23.0	27.6	35.5	43.7	ISO 2493
Bending moment Taber 15° CD, mNm	-10%	5.0	5.9	6.8	7.8	8.8	9.8	11.0	12.3	14.6	18.5	22.4	
Bending resistance L&W 15° MD, mN	-10%	186	221	257	296	335	375	424	476	571	735	905	
Bending resistance L&W 15° CD, mN	-10%	104	122	141	161	182	203	228	255	302	383	464	
Bending stiffness DIN 5° MD, mNm	-10%	18.0	21.3	24.7	28.5	32.3	36.1	40.9	45.9	55.1	70.8	87.2	DIN 53121
Bending stiffness DIN 5° CD, mNm	-10%	10.0	11.8	13.6	15.6	17.6	19.6	21.9	24.5	29.1	36.9	44.7	
Moisture, %	±1	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.5	8.5	9.0	ISO 287
ISO Brightness C/2°, %, Top	min. 84	86	86	86	86	86	86	86	86	86	86	86	ISO 2470-1
Surface Smoothness, PPS 10, µm, Top	max. 1.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	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

*) For hard-sized

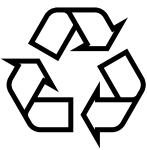
All properties according to Ingerois and Forshaga Mills' measurements from board machine production. Laboratory test climate 23°C/50% RH (according to ISO 187). Tolerances based upon 95% confidence limits, apply to delivered reel/pallet average.

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

Tambrite 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 development of Tambrite has resulted in excellent stiffness and bulk attributes, and the board has a good visual appearance and performs well in printing and converting processes. Tambrite 2PE helps optimize package performance, ensures high visual quality and saves materials, thus helping to reduce food waste. In food packaging, Tambrite is the best choice when the package's tactile strength is to communicate quality. 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.