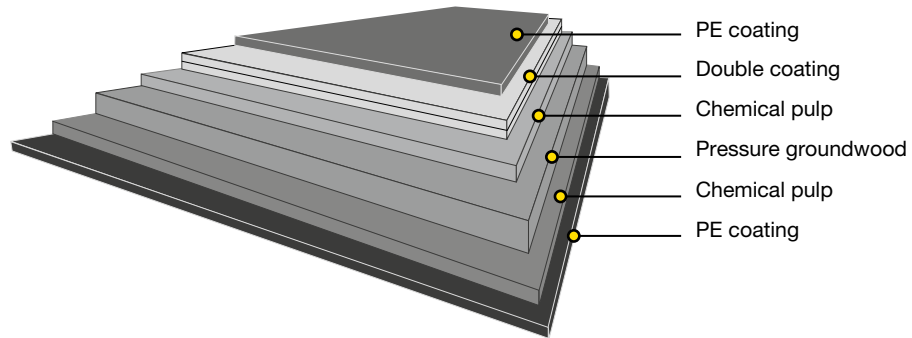# Tambrite™ 2PE

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).

PE coating
Double coating
Chemical pulp
Pressure groundwood
Chemical pulp
PE coating

Issued: 03.2021
Cancels: 08.2017

Technical specification

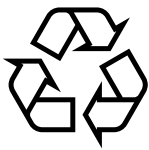| Property/Unit	Tolerance	15+200+15	15+210+15	15+220+15	15+230+15	15+240+15	15+250+15	15+260+15	15+270+15	15+285+15	15+310+15	15+335+15	Standards
Polymer coated board:													
Grammage, g/m²		230	240	250	260	270	280	290	300	315	340	365	ISO 536
Polymer top, g/m²		15	15	15	15	15	15	15	15	15	15	15	Mill method
Polymer reverse, g/m²		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 534
Baseboard:													
Grammage, g/m²	±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 15º MD, mN	-10%	186	221	257	296	335	375	424	476	571	735	905	
Bending resistance L&W 15º 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/m²	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 hardsized

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.

Tambrite™
by Stora Enso

Tambrite™ 2PE

Fully coated folding boxboard

Certificates

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

FSC
www.fsc.org
MIX
Board from
responsible sources
FSC® C105192

PEFC
Promoting
Sustainable Forest
Management
PEFC/02-31-71   www.pefc.fi

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.

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