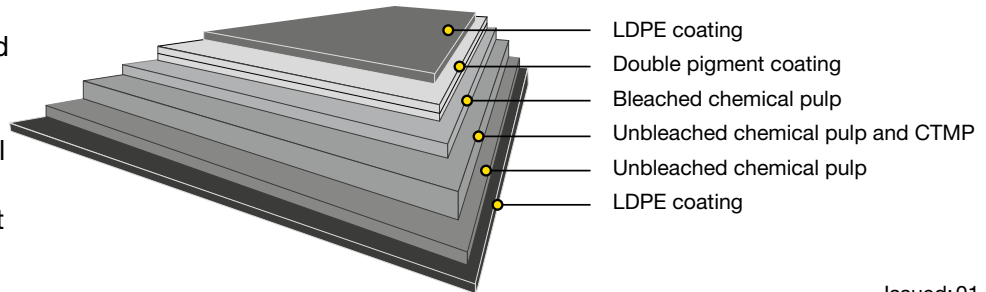


Multilayer kraft back board

CKB 2PE is a two-side polyethylene-coated multilayer kraft back board with a bleached chemical pulp layer on the top side and other layers made of CTMP and unbleached chemical pulp. The top side is white pigment coated with transparent LDPE, and the reverse side is brown with transparent LDPE coating.



Issued: 01.2024
Cancels: 05.2020

Technical specification

Property / Unit	Tolerance	20+195+20	20+220+20	20+235+20	20+255+20	20+270+20	20+290+20	20+315+20	20+350+20	20+380+20	20+415+20	Standard
Polymer coated board:												
Grammage, g/m ²		235	260	275	295	310	330	355	390	420	455	ISO 536
LDPE topside, g/m ²		20	20	20	20	20	20	20	20	20	20	Mill method
LDPE reverse, g/m ²		20	20	20	20	20	20	20	20	20	20	
Thickness, µm		340	400	440	475	490	530	580	640	705	750	ISO 534
Baseboard:												
Grammage, g/m ²	±4%	195	220	235	255	270	290	315	350	380	415	ISO 536
Thickness, µm	±5%	300	360	400	435	450	490	540	600	665	710*	ISO 534
Bending moment Taber 15° MD, mNm	-15%	7.8	12.0	15.3	20.2	24.0	29.5	37.4	46.9	56.4	77.0	TAPPI 489
Bending moment Taber 15° CD, mNm	-15%	3.7	5.7	7.3	9.6	10.0	12.8	16.2	20.4	24.5	31.0	
Bending resistance L&W 15° MD, mN	-15%	160	250	319	416	495	611	775	971	1168	1585	ISO 2493
Bending resistance L&W 15° CD, mN	-15%	76	119	152	198	210	266	336	422	508	635	
Bending stiffness DIN 5° MD, mNm		14.0	22.0	28.0	38.0	43.0	56.0	71.0	96.0	109.0	163.0	DIN 53121
Bending stiffness DIN 5° CD, mNm		7.0	10.0	14.0	18.0	19.0	24.0	31.0	40.0	47.0	65.0	
Moisture, %	±1	7.0	7.0	7.5	7.5	7.5	8.0	8.5	9.0	9.5	9.5	ISO 287
ISO Brightness D65/10°, %, Top	min. 78	80	80	80	80	80	80	80	80	80	80	ISO 2470-2
Surface Smoothness, PPS 10, µm, Top	max. 2.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	ISO 8791-4
Gloss 75°, %		35	35	35	35	30	30	30	30	30	30	ISO 8254-1
Scott Bond, J/m ²	min. 100	175	175	175	175	175	175	175	175	175	175	TAPPI 569
Edge wicking, kg/m ²	max. 1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Tearing resistance, GM, mN		2400	3000	3300	3700	4150	4600	5100	5700	6400	6500	TAPPI 496
Cobb 60, g/m ² , Top		30	30	30	30	30	30	30	30	30	30	ISO 535
Robinson chocolate test		< 1 for one year stored under normal condition										EN1230-2

Produced with RaZoR concept
*) +5%/-3.5% tolerance

All properties according to Skoghall Mill measurements from board machine production.
Wet tearing resistance is typically 25-30% of dry tearing resistance, except for wet strength (WS) qualities, where the wet tearing resistance is 60% of dry tearing resistance.
Following qualities can be ordered with or without WS: CKB 235 g/m², 315 g/m² and 350 g/m². Following qualities are only produced with WS: 380 g/m² and 415 g/m².
Laboratory test climate 23°C/50% RH (According to ISO 187).
Tolerances based upon 95% confidence limits, apply to delivered reel/pallet average.
Bending moment Taber 15° and Bending resistance L&W 15° are binding, Bending stiffness DIN 5° are indicative.
Bending moment Taber 15° calculated from Bending resistance L&W 15°.

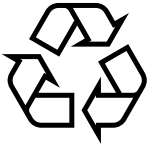
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Certificates

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 can be recycled

Key characteristics and main enduses

CKB 2PE is all about strong character, strong brands and strong messages. It is an ideal packaging material for frozen food. The two-sided polyethylene coating provides excellent sealability in converting and protection against moisture. The material offers exceptional stiffness and strength, combined with great runnability. One of the most important reasons to choose CKB 2PE is its proven food safety. CKB 2PE helps optimize package performance, ensures high visual quality, saves materials and, in food packaging, helps reduce food waste. White and black PE coatings on reverse side 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.