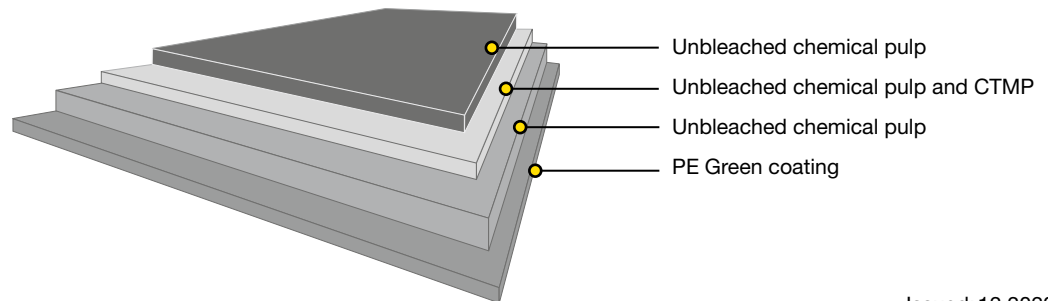


CKB Nude™ PE Green

Multilayer kraft back board

CKB Nude PE Green is an uncoated multilayer kraft board made of unbleached chemical pulp and additional CTMP in the middle layer with a renewable polyethylene-coated reverse.



Issued: 12.2020
Cancels: 11.2018

Technical specification

Property / Unit	Tolerance	205+15	230+15	255+15	325+15	345+15	Standards
Polymer coated board:							
Grammage, g/m ²		220	245	270	340	360	ISO 536
PE reverse, g/m ²		15	15	15	15	15	Mill method
Thickness, μm		395	460	510	595	645	ISO 534
Baseboard:							
Grammage, g/m ²	±4%	205	230	255	325	345	ISO 536
Thickness, μm	±5%	380	445	495	580	630	ISO 534
Bending moment Taber 15° MD, mNm	-15%	12.9	19.2	26.3	49.9	61.1	TAPPI 489 om-99
Bending moment Taber 15° CD, mNm	-15%	5.1	7.7	10.5	20.0	24.5	TAPPI 489 om-99
Bending resistance L&W 15° MD, mN	-15%	266	400	544	1032	1265	ISO 2493
Bending resistance L&W 15° CD, mN	-15%	106	160	218	413	506	ISO 2493
Moisture, %	±1	7.5	7.5	7.5	8.0	8.5	ISO 287
Surface Smoothness, Bendtsen, ml/min, Top	max 700	400	400	400	400	400	SCAN P 84:02
Surface Smoothness, Bendtsen, ml/min, Reverse	max 2000	700	700	700	700	700	SCAN P 84:02
Tearing resistance MD, mN	-800	2900	3400	3900	5000	5400	TAPPI 496 sp-99
Tearing resistance CD, mN	-800	3300	3800	4300	5700	6200	TAPPI 496 sp-99
Cobb 60, g/m ² , Top		30	30	30	30	30	ISO 535
Cobb 60, g/m ² , Reverse		30	30	30	30	30	ISO 535

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Certificates

Quality management ISO 9001
 Environmental management ISO 14001
 Product safety FSSC 22000
 Health and safety OHSAS 18001
 Energy management ISO 50001



FSC and PEFC certified board available upon request.



Paperboard is recyclable

Key characteristics and main enduses

CKB Nude PE Green is a renewable material that provides the same high level of protection and convertibility but in a sustainable form. CKB Nude PE Green is all about strong character, strong brands and strong messages. It is an ideal packaging material for applications that require protection against humidity. The material offers exceptional stiffness and strength, combined with great runnability. One of the most important reasons to choose CKB Nude PE Green, in addition to promoting sustainability, is its proven food safety. In addition, CKB Nude PE Green helps optimize package performance, ensures high visual quality, saves materials and, in food packaging, helps reduce food waste. PE Green is a transparent coating made of renewable raw material. The PE Green coating is made from totally renewable resources, but still offers the same functional properties in converting as traditional fossil-based PE.

Printing and finishing techniques

The product can be used with different printing techniques such as offset, flexo and digital printing. In digital printing, the product is suitable for several different sheet- or web-fed presses. Inkjet, dry or liquid toner technology can be used, although in some cases, pretreatment of the substrate might be required. The latest certification status can be verified on the press manufacturer's website or with local Stora Enso representatives. It is important to check the limitations of the equipment, particularly because of the exceptional difference in the thickness and stiffness of board compared with paper in the same grammages. When running thicker substrates, the press manufacturer's recommendations should be referred to for optimal grain direction. Essentially all of the same finishing processes apply to both digitally printed and offset printed work. Since a wide variety of digital printing equipment is available in the market, it is important that a new commercial print job is always preceded by a trial run, including all required printing and converting process phases. The product works very well with different finishing techniques, such as embossing, hot foil stamping and others. It is suitable for laser coding. Certificate according to PTS-DF 105/2013 is available upon request.

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.