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CLB

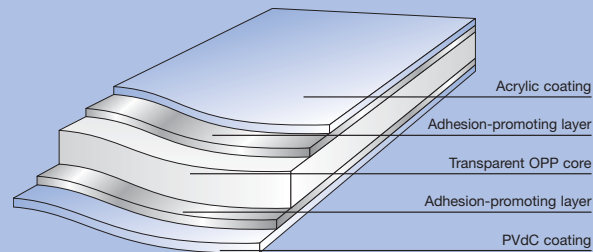
Transparent acrylic-/PVdC-coated OPP film for packaging

- Excellent barrier to gas, moisture and aromas
- Consistent machinability
- Wide sealing range
- Easy convertibility
- Excellent optical properties



TREOFAN PACKAGING FILM CLB

Transparent OPP film, coated on one side acrylic, one side PVdC



Treofan CLB is especially suitable for those applications where extended shelf life, attractive presentation and high speed packaging are required. Treofan CLB is suitable both for converting and direct use.

PRODUCT FEATURES

Main properties:

- excellent oxygen, moisture and aroma barrier
- outstanding sealing properties
- consistent machinability on all packaging machines
- easy convertibility (printing, overcoating, lamination)
- excellent optical properties
- 100% water-based coating

APPLICATIONS AND PROCESSING

Treofan CLB, thanks to its high performance in terms of machinability and protection, is recommended for the packaging of biscuits, confectionery, snacks and all sensitive products which need to be protected against oxygen and moisture.

Conversion:

- printable on both sides with flexographic and rotogravure technologies. Adhesive lamination with acrylic, barrier coating and other substrates

Storage:

- Treofan CLB has to be protected from water and from high levels of humidity. Place Treofan CLB in the processing area approximately 24 hours prior to processing

Certified according to

DIN EN ISO 9001:2000

Compliance with industrial health and safety standards: Treofan OPP films do not present any significant danger to health and safety in the workplace, provided they are used for the intended purpose in accordance with conventional practices and that health and safety regulations are observed. Relevant guidelines can be found in our safety information.

TECHNICAL DATA (typical values)

Properties	CLB 21	CLB 26	CLB 31	CLB 41	Unit	Measuring method
Nominal thickness	21	26	31	41	µm	–
Unit weight	20.7	25.2	29.8	39.3	g/m ²	ISO 4591
Density	0.99	0.97	0.96	0.96	g/cm ³	–
Yield	48.3	39.7	33.6	25.7	m ² /kg	–
Tensile strength: machine direction transverse direction	140 300	140 300	140 300	140 300	N/mm ² N/mm ²	ASTM D 882 DIN 53455
Elongation at break: machine direction transverse direction	210 50	210 50	210 50	210 50	% %	ASTM D 882 DIN 53455
Dimensional stability: machine direction transverse direction	-4.5 -3.0	-4.5 -3.0	-4.5 -3.0	-4.5 -3.0	% %	130°C, 5 min 130°C, 5 min
Coefficient of friction: acr./acr. PVdC/PVdC	0.25 0.35	0.25 0.35	0.25 0.35	0.25 0.35	– –	ASTM D 1894 DIN 53375
Heat-seal range: acr./acr. PVdC/PVdC	90–145 100–145	90–145 100–145	90–145 100–145	90–145 100–145	°C °C	10 psi, 0.2" (flat bar) 10 psi, 0.2" (flat bar)
Heat-seal strength: acr./acr. PVdC/PVdC	210 210	230 230	250 250	270 270	g/cm g/cm	Treofan Treofan
Water vapour transmission: 38°C/90 % rh 23°C/85 % rh	5.0 1.1	4.2 1.0	3.9 0.8	3.0 0.6	g/m ² *d g/m ² *d	ASTM F 1249 ASTM F 1249
Oxygen permeability: 23°C/75 % rh	25	25	25	25	cm ³ /m ² *d	ASTM F 1927
Haze	2.0	2.0	2.1	2.2	%	ASTM D 1033
Gloss: acrylic side PVdC side	93 100	93 100	93 100	93 100	% %	ASTM D 2457 ASTM D 2457

AVAILABILITY (unprinted film)

Reel length (m):

Packaging film	Standard length	6-times standard
CLB 21	3,500	21,000
CLB 26	2,800	16,800
CLB 31	2,350	14,100
CLB 41	1,750	10,500

Maximum reel outside diameter (mm):

Core diameter	Standard length	6-times standard
76 mm	approx. 320	–
152 mm	approx. 340	approx. 780

Maximum reel width: 2,000 mm

Standard conditions: PVdC coating on the internal side

The figures and the data provided in this data sheet are consistent with the current state of our knowledge, and are intended to provide general information on our products and their applications. They do not constitute a guarantee of any specific product attributes or the suitability of products for specific applications. Any existing commercial rights or patents must be observed.

Tests have shown that under the prescribed storage conditions the characteristics of Treofan CLB will maintain consistent performance and will be best before use throughout a 6-months period after delivery. Treofan CLB is largely unaffected by climatic influences, but should not be stored at temperatures above 30°C (86°F). The rolls should be kept in their original wrapping until used. After the rolls have been unwrapped, they should be stored safely in horizontal position.

Food Safety

Treofan CLB has been developed specially for packaging foods and meets the specific requirements on health and safety. It meets the FDA and EC regulations, which includes the specific "German Food and Commodity Act" and the current recommendations of the BfR. Compliance with other specific national regulations is available on request.

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