

enhance

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CSB

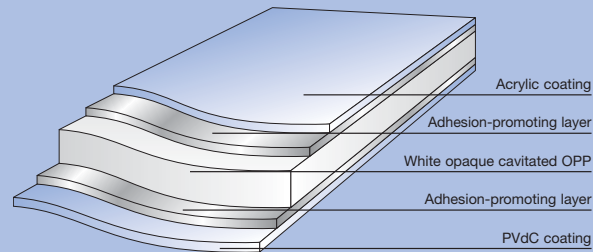
White opaque coated OPP film
for food packaging

- Excellent oxygen, moisture, aroma and light barrier
- Good convertibility



TREOFAN PACKAGING FILM CSB

White opaque OPP film, on one side acrylic-coated, on one side PVdC-coated



Treofan CSB has been especially designed for the food packaging industry. Treofan CSB, thanks to its wide operative window on all packaging machines, can be used for the most demanding applications. It is particularly recommended for wrapping of biscuit rolls.

PRODUCT FEATURES

Main properties:

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

APPLICATIONS AND PROCESSING

Treofan CSB can be used for packaging of bakery, biscuits, confectionery and all sensitive products which need to be protected against oxygen, moisture and light.

Conversion:

- printable on both sides with flexographic and rotogravure technologies
- suitable for adhesive lamination with acrylic-coated films, with OPP or other substrates depending on application
- overcoating with other acrylic or PVdC lacquers

Storage:

- Treofan CSB has to be protected from water and from high levels of humidity. Place Treofan CSB 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	CSB 36	CSB 50	Unit	Measuring method
Nominal thickness	36	50	µm	–
Unit weight	28.2	39.0	g/m ²	ISO 4591
Density	0.78	0.78	g/cm ³	–
Yield	35.5	25.6	m ² /kg	–
Tensile strength: machine direction transverse direction	35 90	50 127	N/15 mm N/15 mm	ASTM D 882 DIN 53455
Elongation at break: machine direction transverse direction	170 40	170 40	% %	ASTM D 882 DIN 53455
Dimensional stability: machine direction transverse direction	–4.0 –2.5	–4.0 –2.5	% %	130°C, 5 min 130°C, 5 min
Coefficient of friction: acr./acr. PVdC/PVdC	0.28 0.35	0.28 0.35	– –	ASTM D 1894 DIN 53375
Heat-seal range: acr./acr. PVdC/PVdC	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	130 220	130 220	g/cm g/cm	Treofan Treofan
Water vapour transmission: 38°C/90% rh 23°C/85% rh	5.0 1.1	3.5 0.7	g/m ² *d g/m ² *d	ASTM F 1249 ASTM F 1249
Oxygen permeability: 23°C/75% rh	25	25	cm ³ /m ² *d	ASTM F 1927
Opacity	79	87	%	Gretag Macbeth D200-II
Gloss (acrylic side)	84	84	%	ASTM D 2457

AVAILABILITY (unprinted film)

Reel length (m):

Packaging film	Standard length	6-times standard
CSB 36	1,750	10,500
CSB 50	1,300	7,800

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 CSB will maintain consistent performance and will be best before use throughout a 6-months period after delivery. Treofan CSB 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 CSB 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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