

enhance

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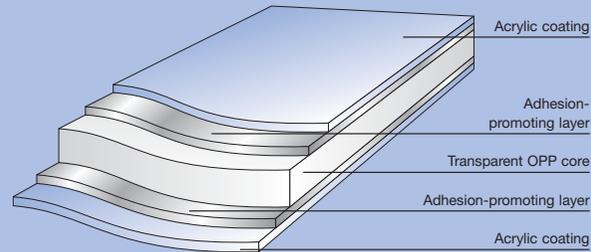
## CLG

- Transparent, on both sides acrylic-coated OPP film for packaging
- Excellent machinability and wide sealing range
- Aroma barrier
- Easy convertibility
- Superior optical properties



## TREOFAN PACKAGING FILM CLG

Transparent, on both sides acrylic-coated OPP film



Treofan CLG has been especially designed to merge the aesthetic and protection properties of the acrylic-coated film with outstanding machinability performances.

## PRODUCT FEATURES

### Main properties:

- low sealing threshold
- excellent seal strength
- outstanding hot-tack
- exceptional optical properties
- good aroma barrier
- good convertibility on both sides
- easy machinability on all packaging machines
- full water-based coating

## APPLICATIONS AND PROCESSING

Treofan CLG, thanks to its wide seal range and superior machinability, is a film especially designed for the most demanding packaging applications (OW, HFFS, VFFS).

### Conversion:

- printable on both sides with flexographic and rotogravure technologies
- adhesive lamination with acrylic, barrier-coated and other OPP substrates

### Storage:

- Treofan CLG has to be protected from water and from high levels of humidity. Place Treofan CLG 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	CLG 20	CLG 25	CLG 30	CLG 35	CLG 40	Unit	Measuring method
Nominal thickness	20	25	30	35	40	µm	–
Unit weight	18.2	22.7	27.3	31.8	36.4	g/m <sup>2</sup>	ISO 4591
Density	0.91	0.91	0.91	0.91	0.91	g/cm <sup>3</sup>	–
Yield	54.9	44.1	36.6	31.4	27.5	m <sup>2</sup> /kg	–
Tensile strength: machine direction transverse direction	140 300	140 300	140 300	140 300	140 300	N/mm <sup>2</sup> N/mm <sup>2</sup>	ASTM D 882 DIN 53455
Elongation at break: machine direction transverse direction	210 50	210 50	210 50	210 50	210 50	% %	ASTM D 882 DIN 53455
Dimensional stability: machine direction transverse direction	-4.0 -2.5	-4.0 -2.5	-4.0 -2.5	-4.0 -2.5	-4.0 -2.5	% %	130°C, 5 min 130°C, 5 min
Coefficient of friction (film/film)	0.25	0.25	0.25	0.25	0.25	–	ASTM D 1894 – DIN 53375
Heat-seal range	90–145	90–145	90–145	90–145	90–145	°C	10 psi, 0.2" (flat bar)
Heat-seal strength	210	230	250	270	270	g/cm	Treofan
Water vapour transmission: 38°C/90% rh 23°C/85% rh	6.5 1.3	5.0 1.1	4.5 1.0	4.0 0.8	3.5 0.6	g/m <sup>2</sup> *d g/m <sup>2</sup> *d	ASTM F 1249 ASTM F 1249
Oxygen permeability: 23°C/75% rh	950	850	750	650	600	cm <sup>3</sup> /m <sup>2</sup> *d	ASTM F 1927
Haze	1.0	1.0	1.1	1.3	1.4	%	ASTM D 1033
Gloss	93	93	93	93	93	%	ASTM D 2457

## AVAILABILITY (unprinted film)

Reel length (m):

Packaging film	Standard length	6-times standard
CLG 20	3,500	21,000
CLG 25	2,800	16,800
CLG 30	2,350	14,100
CLG 35	2,000	12,000
CLG 40	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

Tests have shown that under the prescribed storage conditions the characteristics of Treofan CLG will maintain consistent performance and will be best before use throughout a 6-months period after delivery. Treofan CLG 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 CLG 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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