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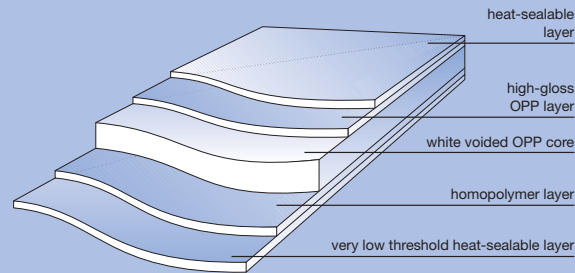
STD

- High-gloss white voided co-extruded OPP film
- Very low sealing threshold



TREOFAN PACKAGING FILM STD

High-gloss white voided OPP film with excellent heat-sealable properties



Treofan STD is a biaxially oriented, co-extruded polypropylene film. Its special characteristics are the white colour produced by the compact cellular structure and the low heat-sealing temperature on the inner layer. The film is corona-treated on one side to improve adhesion during printing and lamination.

PRODUCT FEATURES

Physical characteristics:

- high resistance to tear and puncture
- excellent resistance to low temperatures
- dimensionally stable under conditions of varying humidity

Film characteristics:

- low water vapour permeability
- water-repellent
- resistance to biological oil and biological grease
- odourless and taste-free
- physiologically harmless, thus suitable for food packaging

Optical characteristics:

- high-gloss face contributes to superb print presentation
- white finish gives impression of hygiene and cleanliness

Special properties:

- exceptionally wide seal range heat-sealable layers for high-speed packaging
- consistent slip for high-speed packaging applications
- good print receptivity
- protection against light-induced fat oxidation due to the light barrier in the UV range
- excellent anti-static properties

APPLICATIONS AND PROCESSING

Treofan STD can be used for packaging various types of filling products and products which need to be protected against moisture or dehydration. Also for packages subject to high mechanical stress such as deep-freeze packs.

Printing:

- flexographic and rotogravure printing (half-tone and line)
- super-high whiteness of the OPP film saves white base colour, particularly with full-surface printing

Laminating:

- adhesive or extrusion lamination with OPP or with other substrates, depending on application

Packaging:

- as a result of its wide-range sealing surface Treofan STD can be used on high-speed HFFS machines

Storage:

- place Treofan STD in the processing area approximately 24 hours prior to processing

Treofan STD should not be corona-treated a second time!

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	STD 28	STD 35	STD 40	STD 45	STD 50	Unit	Measuring method
Unit weight	21.5	26.0	30.0	33.5	37.0	g/m ²	ISO 4591
Yield	46.5	38.5	33.3	29.9	27.0	m ² /kg	ISO 4591
Heat-seal strength: low heat-seal threshold layer	>1.0	>1.0	>1.0	>1.0	>1.0	N/15 mm	Treofan
Coefficient of friction (film/film)	0.3	0.3	0.3	0.3	0.3	–	DIN EN ISO 8295
Surface tension (treated side)	≥ 36	≥ 36	≥ 36	≥ 36	≥ 36	mN/m	DIN ISO 8296
Gloss (treated side)	65	65	65	65	65	gloss units	DIN EN ISO 2813
Opacity	76	80	83	84	85	%	DIN 53146
Whiteness acc. to Berger	79	81	83	84	85	%	DIN 5033
Breaking load: machine direction	30	40	45	50	55	N/15 mm	DIN EN ISO 527-1/-3
transversal direction	70	100	120	130	140	N/15 mm	DIN EN ISO 527-1/-3
Elongation at break: machine direction	140	140	140	140	140	%	DIN EN ISO 527-1/-3
transversal direction	35	35	35	35	35	%	DIN EN ISO 527-1/-3
Water vapour permeability: 23°C/85% rh	1.1	0.9	0.8	0.6	0.5	g/m ² *d	ASTM F 1249
38°C/90% rh	5.5	4.5	4.0	3.0	2.5	±10%	ASTM F 1249

AVAILABILITY (unprinted film)

Reel length (m):

Packaging film	Standard length	Up to 6-times standard
STD 28	2,300	13,800
STD 35	1,800	10,800
STD 40	1,600	9,600
STD 45	1,450	8,700
STD 50	1,300	7,800

8-times standard or other reel lengths available on request

Maximum reel outside diameter (mm):

Core diameter	Standard length	Up to 6-times standard
77 mm	approx. 310	–
152 mm	approx. 340	approx. 740

Max. reel width: 2,000 mm (widths > 2,000 mm on request)

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