

impact

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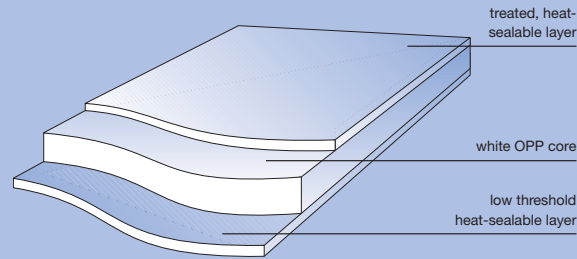
## WTD

- White co-extruded OPP film
- Both sides sealable, one side low sealing threshold
- One-side treated



## TREOFAN PACKAGING FILM WTD

White co-extruded OPP film, both sides sealable, one-side treated



Treofan WTD is a white biaxially oriented, co-extruded polypropylene film. The special feature of Treofan WTD is the high whiteness. Treofan WTD is one-side treated 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
- physiologically harmless, thus suitable for food packaging

### Optical characteristics:

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

### Special properties:

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

## APPLICATIONS AND PROCESSING

Treofan WTD can be used for packaging various types of filling products and products which need to be protected against moisture or dehydration.

### Printing:

- flexographic and rotogravure printing (half-tone and line)

### Laminating:

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

### Packaging:

- on VFFS as well as on HFFS, heat-sealable
- as a result of its wide-range sealing surface Treofan WTD can be used on high-speed HFFS machines

### Storage:

- place Treofan WTD 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	WTD 20	WTD 25	WTD 30	WTD 35	WTD 40	Unit	Measuring method
Unit weight	19.2	24.0	28.8	33.6	38.4	g/m <sup>2</sup>	ISO 4591
Yield	52.1	41.7	34.7	29.8	26.0	m <sup>2</sup> /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)	0.4	0.4	0.4	0.4	0.4	–	DIN EN ISO 8295
Surface tension (treated side)	36–39	36–39	36–39	36–39	36–39	mN/m	DIN ISO 8296
Gloss	50	50	50	50	50	gloss units	DIN EN ISO 2813
Whiteness acc. to Berger	80	86	89	91	92	%	DIN 5033
Tensile strength: machine direction transversal direction	125 250	125 250	125 250	125 250	125 250	N/mm <sup>2</sup> N/mm <sup>2</sup>	DIN EN ISO 527-1/-3 DIN EN ISO 527-1/-3
Elongation at break: machine direction transversal direction	180 45	180 45	180 45	180 45	180 45	% %	DIN EN ISO 527-1/-3 DIN EN ISO 527-1/-3
Water vapour permeability: 23°C/85% rh 38°C/90% rh	1.3 6.0	1.0 5.2	0.9 4.6	0.8 4.0	0.7 3.3	g/m <sup>2</sup> *d g/m <sup>2</sup> *d	ASTM F 1249 ASTM F 1249

## AVAILABILITY (unprinted film)

Reel length (m):

Packaging film	Standard length	Up to 6-times standard
WTD 20	3,500	21,000
WTD 25	2,800	16,800
WTD 30	2,350	14,100
WTD 35	2,000	12,000
WTD 40	1,750	10,500

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