

## STD

### Gloss White Voided Film

#### Applications

Ultra wide sealing range for high speed HFFS packaging machines. Suitable as a monoweb or in laminates.

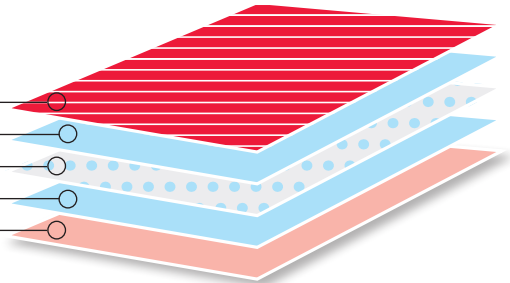
#### Description

STD is a 5 layer, high gloss white voided OPP film with an ultra low sealing threshold (80°C) designed for heatseal applications.

#### Product features

- White opaque film with excellent gloss
- Tailored and controlled slip properties
- Ultra low heat sealing threshold (80°C) layer high speed HFFS packaging machines
- Corona treated side contributes to improve printing and lamination
- Good moisture barrier
- Not suitable for boost treatment

Printable layer, treated  
Transparent layer  
Voided layer  
Transparent layer  
Ultra low temperature heat sealable layer



### Technical Data (Typical Value)

Properties	STD 28	STD 35	STD 40	STD 45	STD 50	Unit	Measuring method
<b>Unit weight</b>	21.5	26.0	30.0	33.5	37.0	g/m <sup>2</sup>	ISO 4591
<b>Average yield</b>	46.5	38.5	33.3	29.9	27.0	m <sup>2</sup> /kg	ISO 4591
<b>Opacity</b>	75	81	85	86	88	%	DIN 53146
<b>Whiteness (Berger)</b>	82	86	88	89	89	-	DIN 5033
<b>Gloss</b>							
At 20° (treated side)	65	65	65	65	65	gloss unit	ISO 2813
<b>Heatseal strength</b>	1.0	1.0	1.0	1.0	1.0	N/15 mm	Treofan
<b>Heatseal range</b>							
Untreated	80-140	80-140	80-140	80-140	80-140	°C	Treofan
<b>Coefficient of friction</b>							
Film/film, untreated, dynamic	0.30	0.30	0.30	0.30	0.30	-	ISO 8295
* Surface tension treated side	≥ 36	≥ 36	≥ 36	≥ 36	≥ 36	mN/m	ISO 8296
<b>Breaking load</b>							
Machine direction	45	55	60	70	75	N/15 mm	ISO 527
Transverse direction	75	100	115	125	140	N/15 mm	ISO 527
<b>Elongation at break</b>							
Machine direction	150	150	150	150	150	%	ISO 527
Transverse direction	50	50	50	50	50	%	ISO 527
<b>Water vapour permeability</b>							
23°C / 85% r.h.	1.1	0.9	0.8	0.7	0.6	g/m <sup>2</sup> /d	ASTM F 1249
38°C / 90% r.h.	5.5	4.5	4.0	3.5	3.0	g/m <sup>2</sup> /d	ASTM F 1249

\* within 6 months after production

### Availability

Dimensions	STD 28	STD 35	STD 40	STD 45	STD 50	Unit
<b>Reel length</b>						
Standard length (6-times)	13 800	10 800	9 600	8 700	7 800	m
<b>Max. reel outside diameter</b>						
Core diameter 152 mm	734	720	734	740	745	mm

Max. reel width: 2000 mm (widths > 2000 mm on request)

#### Storage

The reels should be kept in their original packaging until used. It is recommended that films are stored below 30°C in order to minimize deterioration of film properties. All films should be allowed to reach operation room temperature for 24 hours before use.

\* The treatment level declines with time.

#### Food Approval

Treofan STD is in compliance with current US FDA and European food contact regulation.

#### Health and Safety

Treofan STD has specially been developed for packing foods and meets the specific requirements on health and safety.

The figures and data provided in this datasheet are consistent with the current state of our knowledge and are intended to provide general information about our products and their applications. The data collected in this document is for non-binding information purposes only. The exact quality of the products is detailed in the technical specifications which are sent together with the order confirmation. Any existing commercial rights or patents must be observed. Certified according to DIN EN ISO 9001, DIN EN ISO 50001, BRC IOP, AIB. 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.

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