

## LTR

### Matt Transparent Film

#### Applications

Designed for reel fed Wrap Around Label applications where a matt look is required.

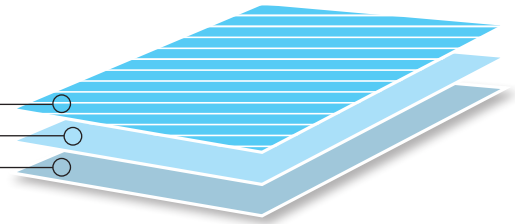
#### Description

LTR is a matt transparent, one side treated OPP film with excellent web flatness and a slip modified, untreated surface for good convertability on labelling machines. This film offers a wide range of design options due to its matt surface.

#### Product features

- Matt finish, frosty look appearance
- Consistent slip properties
- Printable, glueable
- Excellent antistatic properties and machineability
- Consistently low coefficient of friction
- Gravure, flexographic printing (UV and conventional)
- Rotary offset printing
- For reel to reel printing with UV inks inline corona treatment is recommended

Gloss layer, treated  
Transparent layer  
Matt layer, untreated



## Technical Data (Typical Value)

Properties	LTR 30	Unit	Measuring method
<b>Unit weight</b>	26.4	g/m <sup>2</sup>	ISO 4591
<b>Average yield</b>	37.9	m <sup>2</sup> /kg	ISO 4591
<b>Haze</b>	65	%	ASTM D 1003
<b>Gloss</b>			
At 60° (matt side)	12	gloss unit	ISO 2813
<b>Coefficient of friction</b>			
Glossy side, treated, dynamic	0.30	-	ISO 8295
Matt side, untreated, dynamic	0.30	-	ISO 8295
<b>Surface tension treated side*</b>	36-40	mN/m	ISO 8296
<b>Tensile strength</b>			
Machine direction	130	N/mm <sup>2</sup>	ISO 527
Transverse direction	280	N/mm <sup>2</sup>	ISO 527
<b>Elongation at break</b>			
Machine direction	190	%	ISO 527
Transverse direction	55	%	ISO 527

\* within 6 months after production

## Availability

Dimensions	LTR 30	Unit
<b>Reel length</b>		
Standard length (6-times)	14 100	m
<b>Max. reel outside diameter</b>		
Core diameter 152 mm	775	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 LTR is in compliance with current US FDA and European food contact regulation.

#### Health and Safety

Treofan LTR 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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