

## LHD

# Gloss Voiced Film – Wrap Around Label

### Applications

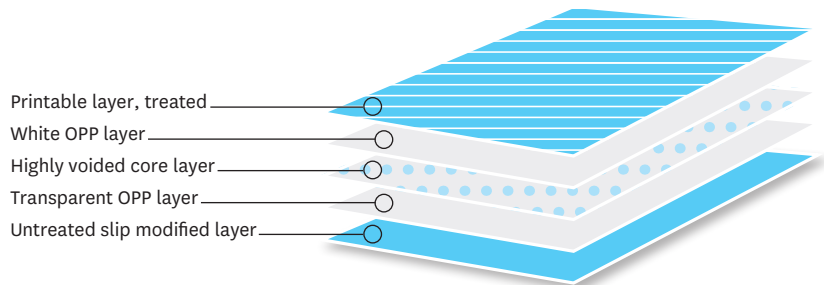
Designed for reel fed WAL label applications with special optical appearance and improved yield. For label sizes < 45 mm please contact Treofan and your labelling machine producer.

### Product features

- White, high gloss on printing side leading to excellent print optics
- Glueable, with good antistatic properties and good machineability
- Ultra High yield due to low density
- Consistently low coefficient of friction
- Gravure, flexographic printing (UV and conventional)
- Rotary UV offset printing
- For reel to reel printing with UV inks inline
- Corona treatment is strongly recommended

### Description

LHD label film is a white voided, glossy OPP film with excellent web flatness, reduced density and an untreated slip modified surface for good machineability on labelling machines. It is treated on one side.



## Technical Data (Typical Value)

Properties	LHD 38	Unit	Measuring method
<b>Unit weight</b>	20.9	g/m <sup>2</sup>	ISO 4591
<b>Average yield</b>	47.8	m <sup>2</sup> /kg	ISO 4591
<b>Opacity</b>	78	%	DIN 53146
<b>Whiteness (Berger)</b>	78	-	DIN 5033
<b>Density</b>	0.55	g/cm <sup>3</sup>	Tobias densitometer
<b>Gloss</b>			
At 20° (treated side)	55	gloss unit	ISO 2813
<b>Coefficient of friction</b>			
Untreated side	0.35	-	ISO 8295
<b>* Surface tension treated side</b>	36-40	mN/m	ISO 8296
<b>Breaking load</b>			
Machine direction	30	N/15 mm	ISO 527
Transverse direction	60	N/15 mm	ISO 527
<b>Elongation at break</b>			
Machine direction	130	%	ISO 527
Transverse direction	30	%	ISO 527

\* within 6 months after production

## Availability

Dimensions	LHD 38	Unit
<b>Reel length</b>		
Standard length (6-times)	9 600	m
<b>Max. reel outside diameter</b>		
Core diameter 152 mm	750	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 LHD is in compliance with current US FDA and European food contact regulation.

### Health and Safety

Treofan LHD 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.

**Treofan Germany GmbH & Co. KG**  
Am Prime Parc 17  
65479 Raunheim / Germany

t +49 (0) 6142 200 3000  
f +49 (0) 6142 200 3202  
e [info@treofan.com](mailto:info@treofan.com)