

# ELR White Voided IML Film



high performance  
large sheet conversion

large size labels,  
glossy finish after  
moulding

yield advantage against  
competitive solutions

Jindal Films Treofan is THE expert for IML Injection Moulding Films, positioned to assist brand manufacturers and their converters all over the world.

Our state-of-the-art label film solutions are specifically developed and designed to fulfil the requirements along the IML process chain. Ideally suited for large sheet conversion and large size labels, a glossy finish after moulding, distortion-free IML decoration and no-label look IML decoration.

**Jindal**  
Films  
**TREOFAN**

# ELR

## White Voided IML Film

### Description

ELR is a white voided OPP film, specifically developed for label applications where the conversion of large sheets and finally large labels is required. ELR is treated on both sides, one side is matt, one side is glossy.

### Applications

Suitable for In mould labels for PP and PE injection moulding.

### Product features

- Excellent antistatic properties
- Superior machineability and die cutting
- Good web flatness
- Suitable for sheet fed operations
- Improved yield due to low density
- Glossy effect after injection moulding
- Offset sheet fed printing with UV curing and oxidative drying inks. For offset printing the film should be stored at 20-25°C, 60-70% rh for a min. of 48 hours
- Gravure and UV-flexo printing
- For reel to reel printing with UV inks, inline Corona treatment is strongly recommended
- Screen printing and letterpress using UV inks

## Technical Data

Properties	ELR 60	ELR 70	Measuring Method
Nominal thickness	58 µm	68 µm	ISO 4591
Unit weight	51 g/m <sup>2</sup>	59.8 g/m <sup>2</sup>	ISO 4591
Average yield	19.6 m <sup>2</sup> /kg	16.7 m <sup>2</sup> /kg	ISO 4591
Opacity	86 %	95 %	DIN 53146
Whiteness (Berger)	-	93 %	DIN 5033
Density	0.88 g/cm <sup>3</sup>	0.88 g/cm <sup>3</sup>	-
Gloss			
at 20° (printing side)	45 gloss unit	50 gloss unit	DIN 67530
Surface tension higher treated side *	36-40 mN/m	36-40 mN/m	DIN ISO 8296
Breaking load			
machine directions	65 N/15 mm	105 N/15 mm	DIN EN ISO 527
transverse direction	150 N/15 mm	180 N/15 mm	DIN EN ISO 527
Elongation at break			
machine directions	150 %	190 %	DIN EN ISO 527
transverse direction	50 %	25 %	DIN EN ISO 527

\* within 6 months after production

## Availability

Properties	ELR 60	ELR 70
Reel length		
standard length (8-times)	8800 m	7400 m
Max. reel outside diameter		
core diameter 152 mm	845 mm	837 mm

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

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. 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. 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, detailed notes on storage, food approval and health and safety are available on technical data sheet.

[www.jindalfilms.com](http://www.jindalfilms.com)

**Treofan Germany GmbH & Co. KG**

Bergstrasse  
66539 Neunkirchen  
Germany

t +49 (0) 6821 - 4000  
e [info@jindalfilms.com](mailto:info@jindalfilms.com)