

## ELR

# White Voided Injection Moulding Film

### Applications

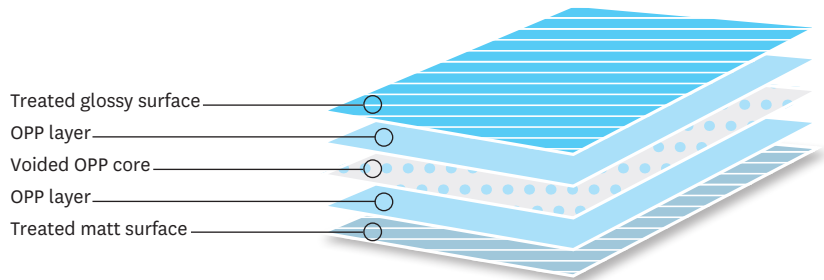
- In mould labels for PP and PE injection moulding
- Self adhesive labels
- Cut & stack wrap around labels

### 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

### 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.



## Technical Data (Typical Value)

Properties	ELR 60	ELR 70	ELR 80	Unit	Measuring method
<b>Nominal thickness</b>	58	68	80	µm	ISO 4591
<b>Unit weight</b>	51.0	59.8	70.4	g/m <sup>2</sup>	ISO 4591
<b>Average yield</b>	19.6	16.7	14.2	m <sup>2</sup> /kg	ISO 4591
<b>Opacity</b>	86	90	90	%	DIN 53146
<b>Density</b>	0.88	0.88	0.88	g/cm <sup>3</sup>	-
<b>Gloss</b>					
At 20° (printing side)	45	50	50	gloss unit	DIN 67530
<b>* Surface tension higher treated side</b>	36-40	36-40	36-40	mN/m	DIN ISO 8296
<b>Breaking load</b>					
Machine direction	65	105	110	N/15 mm	DIN EN ISO 527
Transverse direction	150	180	190	N/15 mm	DIN EN ISO 527
<b>Elongation at break</b>					
Machine direction	150	190	190	%	DIN EN ISO 527
Transverse direction	50	25	25	%	DIN EN ISO 527

\* within 6 months after production

## Availability

Dimensions	ELR 60	ELR 70	ELR 80	Unit
<b>Reel length</b>				
Standard length (8-times)	8 800	7 400	6 400	m
<b>Max. reel outside diameter</b>				
Core diameter 152 mm	845	837	842	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 ELR is in compliance with current US FDA and European food contact regulation.

### Health and Safety

Treofan ELR 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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