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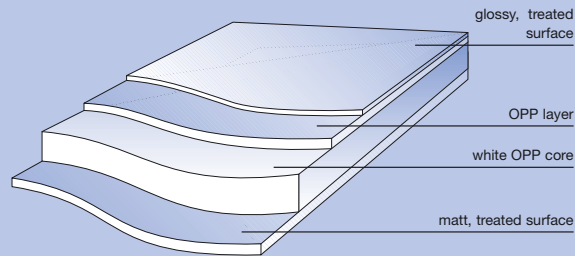
## EWR

- White co-extruded OPP film
- For self-adhesive, wrap-around and in-mould labels (injection-moulded PP products)
- The film with two different surfaces, one side matt, one side glossy
- The matt surface prevents unwanted reflections
- Good web-flatness



## TREOFAN LABEL FILM EWR

The white, one side matt, one side glossy film for the label market



Label Film EWR is a white OPP film, specifically developed for label applications. Label Film EWR is treated on both sides, one side matt, one side glossy.

The film is normally wound: GO = glossy side wound outside.  
GI = glossy side wound inside, is available on request

## PRODUCT FEATURES

### Physical properties

- high resistance to tear and puncture
- excellent resistance to low temperatures
- dimensionally stable under conditions of varying humidity

### Film characteristics

- water-repellent
- resistant to oil and grease
- physiologically harmless, thus suitable for food packaging
- resistant to fruit acids and sugar

### Optical characteristics

- white
- one side matt
- one side glossy

### Special characteristics

- printable
- coatable
- good anti-static properties
- good machinability
- good web-flatness

## CONVERSION

### Printing:

- gravure
- flexographic
- litho sheet-fed with UV-curing and oxidative drying inks  
Prior to which film should be stored at 20–25°C, 60–70% RH for a minimum of 48 hours
- screen printing and letterpress

### Coating:

- suitable for additional “top-coating”

## APPLICATION

- self-adhesive labels
- in-mould labels for PP injection-moulding
- wrap-around labels (pre-cut)

Certified according to

**DIN EN ISO 9001:2000**

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.

## TECHNICAL DATA (Typical Values)

Properties	EWR 57	Unit	Measuring method
Nominal thickness	57	µm	ISO 4591
Nominal thickness	228	Gauge	ISO 4591
Density	0.96	g/cm <sup>3</sup>	-
Unit weight	54.7	g/m <sup>2</sup>	ISO 4591
Yield	18.3	m <sup>2</sup> /kg	ISO 4591
Yield	12900	in <sup>2</sup> /lb	ISO 4591
Tensile strength machine direction	120	N/mm <sup>2</sup>	DIN ISO 527
transverse direction	210	N/mm <sup>2</sup>	DIN ISO 527
Elongation at break machine direction	180	%	DIN ISO 527
transverse direction	30	%	DIN ISO 527
Surface tension	36-39	mN/m	DIN ISO 8296

Tests have shown that under the prescribed storage conditions the characteristics of Label Film EWR will maintain consistent performance throughout a 6 months period. Label Film EWR is largely unaffected by climatic influences, but should not be stored at temperatures above 40°C (104°F). The rolls should be kept in their original wrapping until used. After the rolls have been unwrapped, they should be stored upright with suitable protection of the edges.

### Food Safety

Label Film EWR has been developed specially for packaging foods and meets the specific requirements on health and safety. It meets the FDA and EC regulations, which includes the specific "German Food and Commodity Act" and the current recommendations of the BgVV. Compliance with other specific national regulations is available on request.

The figures and the data provided in this data sheet are consistent with the current state of our knowledge, and are intended to provide general information on 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.

## AVAILABILITY

Reel length (m):

Label Film	Standard length	6 times standard
EWR 57	1350	8100

Maximum reel o.d. (mm):

Core diameter	Standard length	6 times standard
77 mm	approx. 330	-
152 mm	approx. 350	approx. 790

Max. reel width: 2100 mm

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