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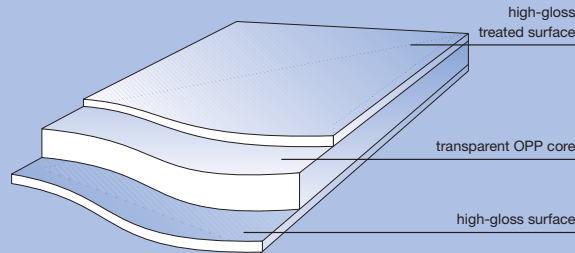
ETH

- Transparent co-extruded OPP film with high gloss
- For self-adhesive labels, spot-patch labels and pre-cut wrap-around labels
- “No label” look
- Good web-flatness



TREOFAN LABEL FILM ETH

The transparent high-gloss film for the label market



Label Film ETH is a transparent, treated OPP film specifically developed for label applications.

Label Film ETH is treated on both sides.

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

- transparent
- glossy

Special characteristics

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

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

- spot-patch labels
- self-adhesive labels
- 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	ETH 50	ETH 57	Unit	Measuring method
Nominal thickness	50	57	µm	ISO 4591
Nominal thickness	200	228	Gauge	ISO 4591
Density	0.91	0.91	g/cm ³	–
Unit weight	45.5	51.9	g/m ²	ISO 4591
Yield	22.0	19.3	m ² /kg	ISO 4591
Yield	15500	13600	in ² /lb	ISO 4591
Tensile strength machine direction	120	120	N/mm ²	DIN ISO 527
transverse direction	210	210	N/mm ²	DIN ISO 527
Elongation at break machine direction	180	180	%	DIN ISO 527
transverse direction	30	30	%	DIN ISO 527
Gloss	>88	>80	%	DIN 67530 (20°)
Surface tension	36–39	36–39	mN/m	DIN ISO 8296

AVAILABILITY

Reel length (m):

Label Film	Standard length	6 times standard
ETH 50	1500	9000
ETH 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

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.

Tests have shown that under the prescribed storage conditions the characteristics of Label Film ETH will maintain consistent performance throughout a 6 months period. Label Film ETH 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 safely in a horizontal position.

Food Safety

Label Film ETH 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 BfR. Compliance with other specific national regulations is available on request.

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