

crystal

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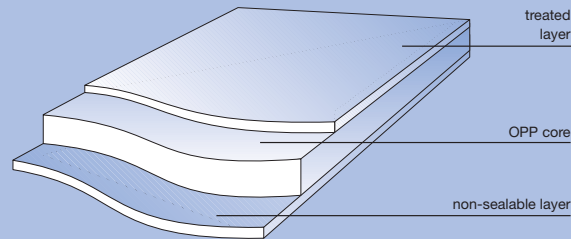
OTT

- Transparent plain OPP film
- Non-heat sealable
- High gloss



TREOFAN PACKAGING FILM OTT

Biaxially oriented non-sealable film



Treofan OTT has been designed for lamination to other plastic films and to aluminium foil and paper. Treofan OTT is also a reliable solution when utilised as a single film in market segments like wrapping of flowers, where transparency and brilliance are key properties to enhance the quality of the final product and heat sealing is not required.

PRODUCT FEATURES

Physical characteristics:

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

Film characteristics:

- water-repellent
- resistance to biological oil and biological grease
- odourless and taste-free
- physiologically harmless, thus suitable for food packaging

Optical characteristics:

- excellent transparency
- low haze
- high gloss

Special properties:

- printable by flexographic and rotogravure systems

APPLICATIONS AND PROCESSING

Printing:

- flexographic and rotogravure printing (half-tone and line)
- sandwich printing of Treofan OTT is widely used in various lamination applications

Laminating:

- adhesive or extrusion lamination with Treofan OPP or with other substrates, depending on application

Storage:

- place Treofan OTT in the processing area approximately 24 hours prior to processing

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	OTT 20	OTT 25	OTT 30	OTT 35	OTT 40	Unit	Measuring method
Nominal thickness	20	25	30	35	40	µm	–
Unit weight	18.2	22.7	27.3	31.8	36.4	g/m ²	ISO 4591
Yield	54.9	44.1	36.6	31.4	27.5	m ² /kg	–
Coefficient of friction (film/film, dynamic)	0.45	0.45	0.45	0.45	0.45	–	ISO 8295
Haze	1.2	1.2	1.3	1.3	1.4	%	ASTM D 1003
Gloss	90	90	90	90	90	%	DIN EN ISO 2813
Tensile strength: machine direction	130	130	130	130	130	N/mm ²	DIN EN ISO 527-1/-3
transverse direction	290	290	290	290	290	N/mm ²	DIN EN ISO 527-1/-3
Elongation at break: machine direction	160	160	160	160	160	%	DIN EN ISO 527-1/-3
transverse direction	60	60	60	60	60	%	DIN EN ISO 527-1/-3
Water vapour transmission: 38°C/90% rh	6.5	5.5	4.5	3.9	3.3	g/m ² *d	ASTM F 1249
23°C/85% rh	1.3	1.0	0.9	0.8	0.7	g/m ² *d	ASTM F 1249
Wettability	36–39	36–39	36–39	36–39	36–39	mN/m	ISO 8296

AVAILABILITY (unprinted film)

Reel length (m):

Packaging film	Standard length	Up to 6-times standard
OTT 20	3,500	21,000
OTT 25	2,800	16,800
OTT 30	2,350	14,100
OTT 35	2,000	12,000
OTT 40	1,750	10,500

Maximum reel outside diameter (mm):

Core diameter	Standard length	Up to 6-times standard
76 mm	approx. 330	–
152 mm	approx. 360	approx. 800

Max. reel width: 2,000 mm (widths > 2,000 mm 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.

Tests have shown that under the prescribed storage conditions the characteristics of Treofan OTT will maintain consistent performance and will be best before use throughout a 6-months period after delivery. Treofan OTT is largely unaffected by climatic influences, but should not be stored at temperatures above 30°C (86°F). The rolls should be kept in their original wrapping until used. After the rolls have been unwrapped, they should be stored safely in horizontal position.

Food Safety

Treofan OTT 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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