

EUP

White Voided Injection Moulding Film

Applications

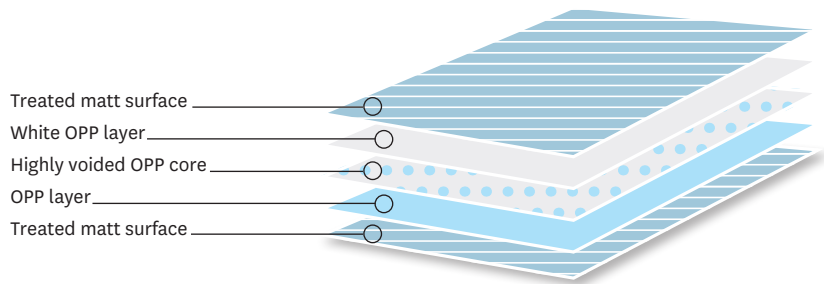
Specifically developed for in mould labels for PP and PE injection moulding.

Description

EUP is a white voided OPP film, matt on both sides. The unique product design is leading to superior converting characteristics and its special formulation results in a film with very high yield. EUP is normally wound print side outside.

Product features

- Improved sheet fed performance
- Excellent machineability and antistatic properties
- Very high yield due to very low density
- Soft touch effect after moulding
- Distortion free decoration
- 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 (Typical Value)

Properties	EUP 50	EUP 60	EUP 70	Unit	Measuring method
Unit weight	27.5	33.0	38.5	g/m ²	ISO 4591
Average yield	36.4	30.3	26	m ² /kg	ISO 4591
Opacity	84	88	89	%	DIN 53146
Whiteness (Berger)	80	83	85	%	DIN 5033
Density	0.55	0.55	0.55	g/cm ³	-
Gloss					
At 60° (printing side)	22	22	22	gloss unit	DIN ISO 2813
* Surface tension higher treated side	36-40	36-40	36-40	mN/m	DIN ISO 8296
Breaking load					
Machine direction	40	50	55	N/15 mm	DIN EN ISO 527
Transverse direction	80	100	120	N/15 mm	DIN EN ISO 527
Elongation at break					
Machine direction	120	120	120	%	DIN EN ISO 527
Transverse direction	30	30	30	%	DIN EN ISO 527

* within 6 months after production

Availability

Dimensions	EUP 50	EUP 60	EUP 70	Unit
Reel length				
Standard length (8-times)	9 520	8 800	7 400	m
Max. reel outside diameter				
Core diameter 152 mm	835	845	840	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 EUP is in compliance with current US FDA and European food contact regulation.

Health and Safety

Treofan EUP 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.

Treofan Germany GmbH & Co. KG
Am Prime Parc 17
65479 Raunheim / Germany

t +49 (0) 6142 200 3000
f +49 (0) 6142 200 3202
e info@treofan.com