

MLB

Transparent Metallised Film

Applications

For very high speed HFFS packaging lines with ultra wide sealing range.

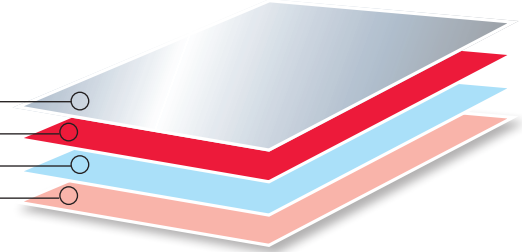
Description

MLB is a transparent, metallised OPP film with medium barrier properties for light, moisture and gas. It has been designed for heat sealable applications and offers excellent performance on high speed packaging machines due to its low temperature sealing face (85°C).

Product features

- Metallised
- Good barrier properties
- Strong metal adhesion ensures excellent bond strength when laminated to other substrates
- Low seal initiation temperature giving very wide sealing range

Metal layer
Metal receptive layer
Transparent layer
Low temperature heat sealable layer



Technical Data (Typical Value)

Properties	MLB 20	MLB 30	Unit	Measuring method
Unit weight	18.2	27.3	g/m ²	ISO 4591
Average yield	54.9	36.6	m ² /kg	ISO 4591
Heatseal strength	2.0	2.0	N/15 mm	Treofan
Heatseal range	85-140	85-140	°C	Treofan
Optical density	2.2	2.2	-	Densitometer
Coefficient of friction				
Film/film, untreated, dynamic	0.40	0.40	-	ISO 8295
Tensile strength				
Machine direction	125	125	N/mm ²	ISO 527
Transverse direction	260	260	N/mm ²	ISO 527
Elongation at break				
Machine direction	180	180	%	ISO 527
Transverse direction	55	55	%	ISO 527
Water vapour permeability				
38°C / 90% r.h.	0.25	0.25	g/m ² /d	ASTM F 1249
Oxygen permeability				
23°C / 85% r.h.	40	40	cm ³ /m ² /d/atm	ASTM D 3985

ADDITIONAL INFORMATION In order to achieve good ink adhesion on the metallised surface, we strongly recommend the use of a primer in line in the conversion operation.

Availability

Dimensions	MLB 20	MLB 30	Unit
Reel length			
Standard length (6-times)	21 000	14 100	m
Max. reel outside diameter			
Core diameter 152 mm	775	775	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. Convertability is confirmed within 3 months after production.

Food Approval

Treofan MLB is in compliance with current US FDA and European food contact regulation.

Health and Safety

Treofan MLB 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, ALB. 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