

F-PAB-M

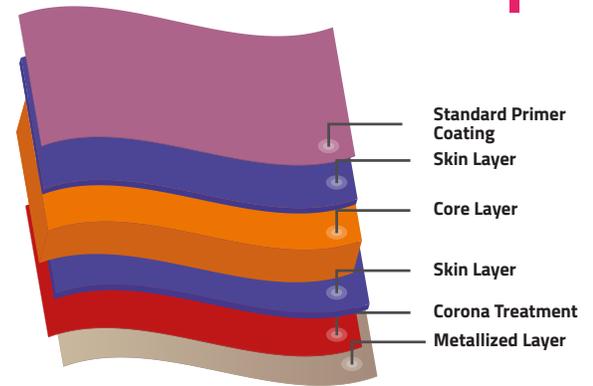
BALLOON APPLICATION FILM

Base polyester is one side Standard Primer Coated with the other side Corona Treated. F-PAB-M is a metallized BOPET film having improved barrier properties. The film is available with an optical density of 2.8. The metallization is available on the Corona Treated surface (MT) giving a bond strength between the metal and the film a minimum of 130gm/25mm.

KEY FEATURES:

- Improved barrier properties
- Good mechanical properties
- Excellent machinability & handling properties

FILM STRUCTURE



APPLICATION:

- Balloon application

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES		
OPTICAL DENSITY*** (TOLERANCE: +/- 5%) (***Customer to specify the OD value as per their specification.)				Very High Density (VHD) 2.8 - Special Application		
THICKNESS	Internal	Micron	8	9	12	
		(Gauge)	32	36	48	
YIELD	Internal	m ² / kg	89.28	79.36	59.52	
		in ² / lb	62901	55912	41934	
SURFACE TENSION (min) # ★ (Standard Primer Coated surface)		ASTM D-2578	dyne/cm	40		
COF (max) (One side to the other)		ASTM D-1894	-	0.70		
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm ²	2300	2300	2300
	TD			2500	2500	2500
	MD		(Psi)	32700	32700	32700
	TD			35500	35500	35500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	100	100	105
	TD			80	80	85
LINEAR SHRINKAGE (max) (30 Minute at 105°C)	MD	ASTM D-1204	%	1.5		
	TD			0.6		
MVTR (38° C & 90% RH) (typical)		ASTM F-1249	gm/m ² /day	VHD		
			(gm/100 in ² /day)	0.4		
				0.03		
OTR (23° C & 0% RH) (typical)		ASTM D-3985	cc/m ² /day	0.8		
			(cc/100 in ² /day)	0.05		

★ This dyne value is applicable only for NAFTA, SA, and Poland manufacturing plants.

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

FLEXMETPROTECT™ needs to be stored in a warehouse below 35° C (95° F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, FLEXMETPROTECT™ is suitable for use within 180 days from the date of shipment.

FOOD CONTACT

FLEXMETPROTECT™ complies with EU and FDA regulations on plastic materials used for food grade application. Specific documents and SDS are available on request.

DISCLAIMER

It is the responsibility of our customer to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The values provided in the technical data sheet represent typical values based on the best of our knowledge as of the date when the data was compiled. The data is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability/compatibility in all respects. Flex provides no warranty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheets. Flex reserves the right to change the technical data sheet at any time without prior notice.