

F-EMB

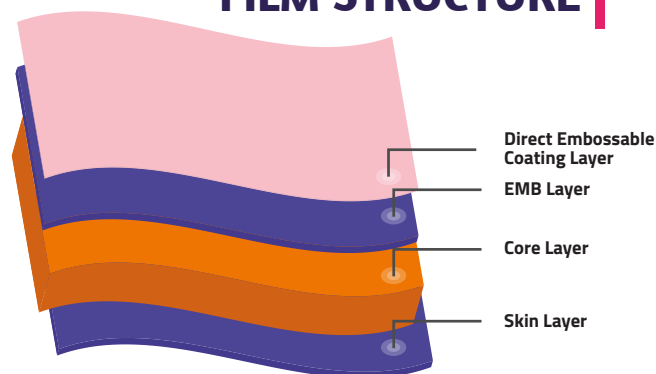
DIRECT EMBOSSABLE FILM

F-EMB is a Co-extruded transparent BOPET film. The Film having one side direct Embossable layer and other side Untreated.

KEY FEATURES:

- Excellent gloss & clarity
- Embossable layer provide deep & sharp impression without any offline coating
- Excellent machinability
- Excellent chemical resistant

FILM STRUCTURE



APPLICATION:

- Direct Embossing
- Holographic Application
- Metallization & gift wrap

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES	
THICKNESS		Internal	Micron	9	13
			(Gauge)	36	52
YIELD		Internal	m ² / kg	79.36	54.94
			in ² /lb	55912	38707
SURFACE TENSION (min) # (Embossable side)		ASTM D-2578	dyne/cm	40	
COF (max) (Embossable side to Embossable side) (Other side to the other side)		ASTM D-1894	-	0.70	0.70
				0.50	0.50
HAZE (max)		ASTM D-1003	%	2.5	3.0
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm ²	1700	1700
	TD			1900	1900
	MD		(Psi)	24200	24200
	TD			27000	27000
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	90	100
	TD			80	85
LINEAR SHRINKAGE (max) (30 Minute at 150°C)		ASTM D-1204	%	3.0	
				1.0	
W.V.T.R. (38°C & 90% RH) (typical)		ASTM F-1249	gm/m ² /day	50	45
			(gm/100 in ² /day)	3.2	2.9
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m ² /day	155	130
			(cc/100 in ² /day)	10.1	8.5

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

STORAGE & HANDLING

FLEXPET™ need 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, FLEXPET™ is suitable for use within 270 days from date of shipment

FOOD CONTACT

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

DISCLAIMER

It is the responsibility of our customers 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.