

F-TFP

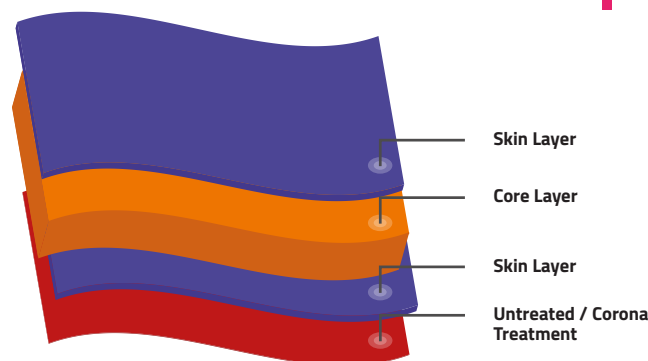
THERMOFORMABLE BOPET FILM

F-TFP is a Co-extruded transparent BOPET film. The Film is one side corona treated or both side untreated. Film is specially designed for shallow draw thermoforming applications. Film is recommended to be laminated with a sealant layer.

KEY FEATURES:

- Very good clarity & transparency
- One side corona treatment provides good adhesion with inks

FILM STRUCTURE



APPLICATION:

- Trays, packs and lids
- Fresh and frozen food applications

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES				
THICKNESS		Internal	Micron	12	15	19	23	36
			(Gauge)	48	60	76	92	144
YIELD		Internal	m ² / kg	59.52	47.62	37.59	31.05	19.84
			in ² / lb	41934	33550	26483	21876	13978
SURFACE TENSION (min) # (Corona treated side)		ASTM D-2578	dyne/cm	52				
COF (max) (One side to the other side)		ASTM D-1894	-	0.50	0.50	0.50	0.45	0.45
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.0	4.5	5.0
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm ²	1900	1900	1900	1900	1750
	TD			2000	2000	2000	2000	2000
	MD		(Psi)	27000	27000	27000	27000	25000
	TD			28500	28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	≥200	≥200	≥200	≥200	≥200
	TD			95	95	100	110	120
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD	ASTM D-1204	%	7.0				
	TD			3.0				
W.V.T.R. (38°C & 90% RH) (typical)		ASTM F-1249	gm/m ² /day	45	40	35	30	20
			(gm/100 in ² /day)	2.9	2.6	2.3	2.0	1.3
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m ² /day	130	110	90	80	70
			(cc/100 in ² /day)	8.5	7.1	5.8	5.2	4.5

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.