

F-HPF

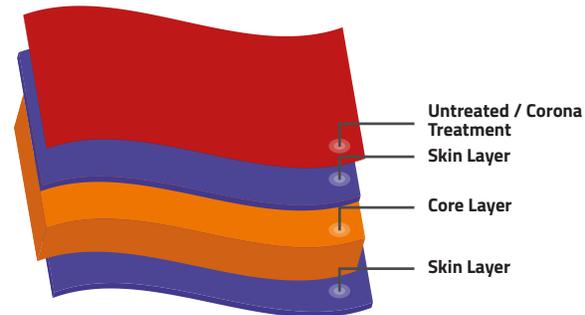
PUNCTURE RESISTANT / NYLON REPLACEMENT FILM

F-HPF is a transparent BOPET film. The film is either both sides Untreated or one side Untreated with other side Corona Treated.

KEY FEATURES:

- High clarity
- Drop-In replacement for bi-axially oriented nylon in many applications
- Corona Treatment improves bonding

FILM STRUCTURE



APPLICATION:

- Vacuum brick, deli meat / cheese
- Puncture and crack resistant packages
- Withstands aggressive handling

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES				
THICKNESS	Internal	Micron	15	19	23	50	
		(Gauge)	60	76	92	200	
YIELD	Internal	m ² / kg	47.62	37.59	31.05	14.28	
		in ² /lb	33550	26483	21876	10060	
SURFACE TENSION (min) # (Corona Treated surface)	ASTM D-2578	dyne/cm	52				
COF (max) (Untreated to Untreated) (Untreated to Corona Treated)	ASTM D-1894	-	0.50	0.50	0.50	0.45	
			0.45	0.45	0.45	0.40	
HAZE (max)	ASTM D-1003	%	4.0	4.0	4.0	6.0	
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm ²	1700	1700	1600	1600
	TD			2400	2500	2500	2500
	MD		(Psi)	24500	24500	23000	23000
	TD			35000	36000	36000	36000
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	175	200	200	200
	TD			100	100	100	100
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD	ASTM D-1204	%	8.5	8.0	7.0	7.0
	TD			5.0	4.5	4.5	4.0
MVTR (38°C & 90% RH) (typical)	ASTM F-1249	gm/m ² /day	40	35	30	16	
		(gm/100 in ² /day)	2.6	2.3	2.0	1	
OTR (23°C & 0% RH) (typical)	ASTM D-3985	cc/m ² /day	110	90	80	45	
		(cc/100 in ² /day)	7.2	5.8	5.2	2.9	

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

STORAGE & HANDLING

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

FOOD CONTACT

FLEXPET™ complies with EU and FDA regulations on plastic materials used for food grade applications. 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.