

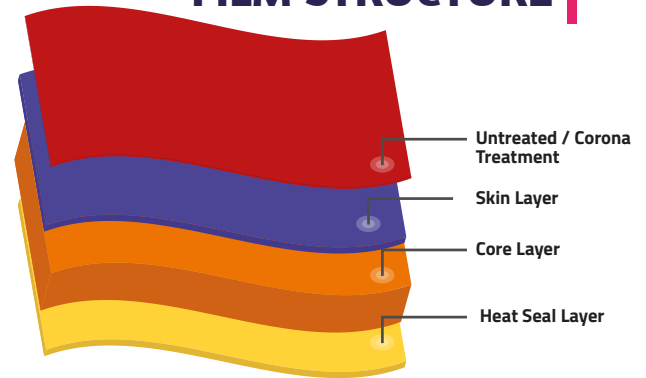
# F-HSP HEAT SEALABLE FILM

F-HSP is a co-extruded polyester film. The film is one side Heat Sealable with other side either Corona Treated or Untreated.

## KEY FEATURES:

- High clarity
- Excellent machinability & handling properties
- Seals to itself, APET, CPET, & PVDC (Corona Treated to Heat Seal Surface)
- Does not seal against PE, PP, or PS

## FILM STRUCTURE



## APPLICATION:

- Tack seal application
- Food tray sealing

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES						
THICKNESS		Internal	Micron	12	15	20	23	25	30	50
			(Gauge)	48	60	80	92	100	120	200
YIELD		Internal	m <sup>2</sup> / kg	59.52	47.62	35.70	31.05	28.57	23.80	14.28
			in <sup>2</sup> / lb	41934	33550	25159	21876	20126	16768	10060
SURFACE TENSION (min)# (Corona Treated Surface)		ASTM D-2578	dyne/cm	52						
COF (max) (Untreated to Heat Sealable Surface) (Corona Treated to Heat Seal Surface)		ASTM D-1894	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50
				0.60	0.60	0.60	0.60	0.60	0.60	0.60
HAZE (max)		ASTM D-1003	%	4.5	4.5	4.5	5.0	5.0	5.5	6.0
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm <sup>2</sup>	1700	1700	1600	1600	1600	1600	1600
	TD			1900	1900	2000	2000	2000	2000	2000
	MD		(Psi)	24200	24200	22700	22700	22700	22700	22700
	TD			27000	27000	28500	28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	115	115	120	120	120	120	125
	TD			85	85	90	90	90	90	95
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD	ASTM D-1204	%	3.0						
	TD			1.0						
HEAT SEAL TEMP. RANGE		Internal	°C	110-200	110-200	120-200	120-200	120-200	120-200	120-200
SEAL STRENGTH (120°C, 1 sec. 2.8 bar)	FIN SEAL	ASTM D-882	gm/25mm	400	500	600	700	750	800	1000
MVTR (38°C & 90% RH) (typical)		ASTM F-1249	gm/m <sup>2</sup> /day	45	40	35	30	30	25	16
			(gm/100 in <sup>2</sup> /day)	2.9	2.6	2.3	2.0	2.0	1.6	1.0
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m <sup>2</sup> /day	130	110	90	80	80	75	45
			(cc/100 in <sup>2</sup> /day)	8.5	7.1	5.8	5.2	5.2	4.8	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

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