

F-HSP-S

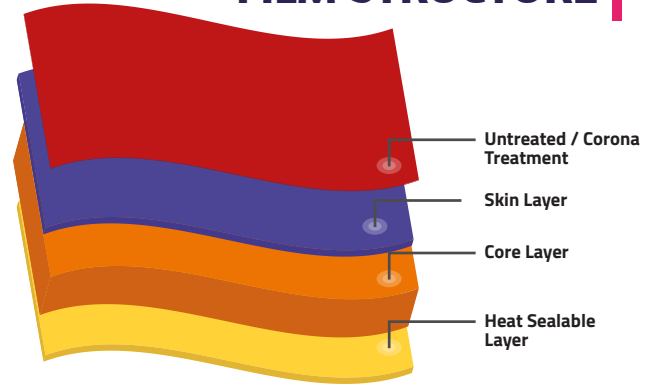
LOW COF HEAT SEALABLE FILM

F-HSP-S is a co-extruded BOPET 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
- 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	30	50
			(Gauge)	48	60	80	92	120	200
YIELD		Internal	m ² / kg	59.52	47.62	35.70	31.05	23.80	14.28
			in ² / lb	41934	33550	25159	21876	16768	10060
SURFACE TENSION (min) # (Corona Treated Surface)		ASTM D-2578	dyne/cm	52					
COF (max) (One side to the other side) (Heat Sealable to Heat Seal Surface)		ASTM D-1894	-	0.35	0.35	0.35	0.35	0.35	0.35
			-	0.50	0.50	0.50	0.50	0.50	0.50
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.5	5.0	5.5	6.0
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm ²	1700	1700	1600	1600	1600	1600
	TD			1900	1900	2000	2000	2000	2000
	MD		(Psi)	24200	24200	22700	22700	22700	22700
	TD			27000	27000	28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	115	115	120	120	120	125
	TD			85	85	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
SEAL STRENGTH (120°C, 1 sec, 2.8 bar)	FIN SEAL	ASTM D-882	gm/25mm	400	500	600	700	800	1000
MVTR (38°C & 90% RH) (typical)		ASTM F-1249	gm/m ² /day	45	40	35	30	25	16
			(gm/100 in ² /day)	2.9	2.6	2.3	2.0	1.6	1.0
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m ² /day	130	110	90	80	75	45
			(cc/100 in ² /day)	8.5	7.1	5.8	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

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.

FlexFilms

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