

TECHNICAL DATA SHEET

(BIAXIALLY ORIENTED POLYESTER FILM)

Product Description:

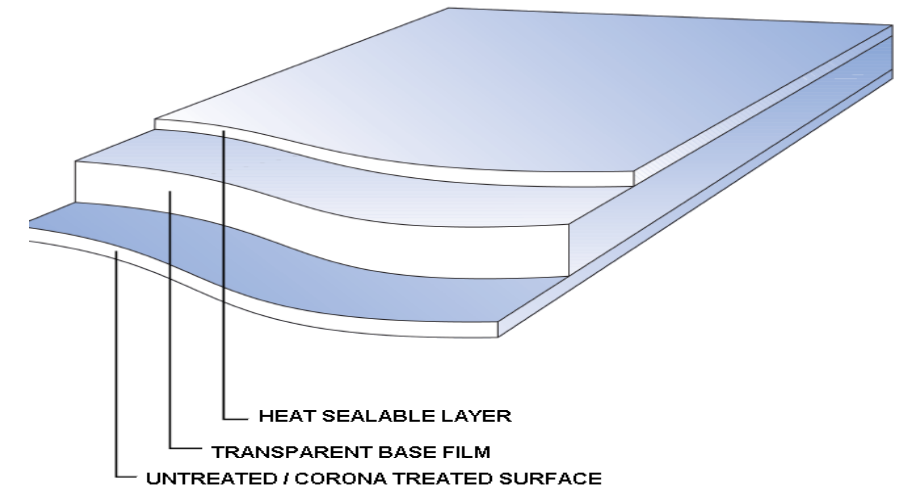
F-HSP is a co-extruded polyester film. It is one side sealable surface other side untreated or corona treated.

Applications:

 Tack seal application
 Foods trays sealing

Key Features:

 Very good clarity & transparency
 Excellent machinability & handling properties
 Seal to itself, APET, CPET & PVDC
 Does Not seal against PE, PP & PS

Film Structure


PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUE						
				12	15	20	23	30	50	
THICKNESS		Internal	Micron	12	15	20	23	30	50	
			(Gauge)	48	60	80	92	120	200	
FILM DENSITY		D-1505	gm/cc	1.4	1.4	1.4	1.4	1.4	1.4	
GRAMMAGE		Internal	gm/m ²	16.8	21.4	28	32.2	42	70.0	
YIELD		Internal	m ² /kg	59.5	47.6	35.7	31	23.8	14.28	
			in ² /lb	41934	33550	25159	21876	16768	10060	
TREATMENT LEVEL #		D-2578	dyne/cm	(Sealable Side) (Min)		48	48	48	48	
				Corona Side	52	52	52	52	52	
COEFF OF KINETIC FRICTION		D-1894	-	(One side / Other side) (Max)		0.60	0.60	0.60	0.60	
					0.60	0.60	0.60	0.60	0.60	
HAZE (Max)		D-1003	%	4.5	4.5	5.0	5.0	5.0	7.0	
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm ²	1700	1700	1600	1600	1600	1600	
	TD*			1900	1900	2000	2000	2000	2000	
TENSILE STRENGTH AT BREAK	MD*		(Psi)	24200	24200	22700	22700	22700	22700	
	TD*			27000	27000	28500	28500	28500	28500	
ELONGATION AT BREAK	MD	D-882	%	115	115	120	120	120	125	
	TD			85	85	90	90	90	90	
HEAT SEAL TEMP. RANGE (service temp.)		FIN SEAL	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	D-882	gms/25mm	500	600	700	800	1000	1100
LINEAR SHRINKAGE (Max.) (30 Minute at 150°C)		MD	D-1204	%	3.0					
		TD			1.0					
W.V.T.R.(38°C & 90%RH)		F-1249	gm/m ² /day	45	40	35	30	25	16	
			(gm/100in ² /day)	2.9	2.6	2.3	2	1.6	1.0	
O.T.R. (23°C & 0%RH)		D-3985	cc/m ² /day	130	110	90	80	75	45	
			(cc/100in ² /day)	8.5	7.1	5.8	5.2	4.8	2.9	

Ref no QAD UFLI S/10 -F26/1

*MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION

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

STORAGE & HANDLING:

FLEXPET™ need to be stocked in a closed warehouse and should not be exposed to direct sunlight or light sources and from humidity. It is recommended to store below 35°C in dry place. FLEXPET™ is suitable for use within 9 month from date of manufacturing, only if material is stored in recommended condition.

FOOD CONTACT:

FLEXPET™ complies with EC and FDA regulations. Specific document and MSDS are available on request.

DISCLAIMER:

It is the responsibility of our customer to determine that their use of our product(s) is safe, lawful, and technically suitable in their intended applications. The Values given in the technical data sheet represent typical values based on the best of our knowledge as on date when the data was compiled. It 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 Gives no warranty or accept liability for any loss and fitness of the product for any specific purpose. Flex reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information

**TDS issued on 16-05-2016. All previous version of this grade are invalid.

 Website: www.flexfilm.com