

TECHNICAL DATA SHEET

(BIAXIALLY ORIENTED POLYESTER FILM)

Product Description:

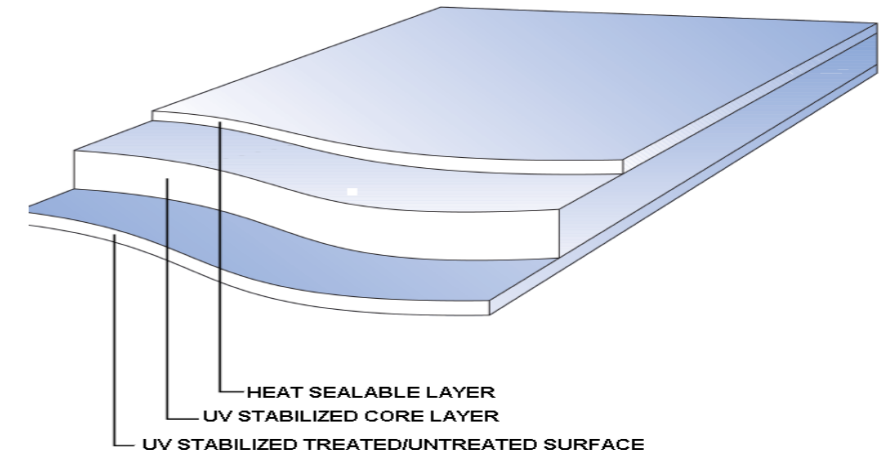
F-UVF is a co-extruded UV stabilized polyester film. It is one side sealable surface other side Untreated.

Application:

Film is suitable for FRP application

Key Features:

Very good clarity & transparency
Excellent machinability & handling properties
Outstanding Exterior stability when exposed to sunlight

Film Structure


PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE		
			15	23	36
THICKNESS	Internal	Micron (Gauge)	15 60	23 92	36 144
FILM DENSITY	D-1505	gm/cc	1.4	1.4	1.4
GRAMMAGE	Internal	gm/m ²	21	32.2	50.4
YIELD	Internal	m ² /kg in ² /lb	47.6 33550	31 21876	19.84 13978
TREATMENT LEVEL # (Sealable Side) (Min)	D-2578	dyne/cm	48	48	48
COEFF OF KINETIC FRICTION (Untreated / Untreated) (Max)	D-1894	-	0.50	0.50	0.50
COEFF OF KINETIC FRICTION (Untreated / Sealable) (Max)	D-1894	-	0.60	0.60	0.60
HAZE (Max)	D-1003	%	4.5	5.0	5.5
UV Absorbance @ 355 nm (Min)	Internal	%	1.5	1.8	1.8
TENSILE STRENGTH AT BREAK (MD*)	D-882	Kg/cm ²	1700	1600	1600
TENSILE STRENGTH AT BREAK (TD*)			1900	2000	2000
TENSILE STRENGTH AT BREAK (MD*)	D-882	(Psi)	24200	22700	22700
TENSILE STRENGTH AT BREAK (TD*)			27000	28500	28500
ELONGATION AT BREAK (MD)	D-882	%	115	120	130
ELONGATION AT BREAK (TD)			85	90	95
HEAT SEAL TEMP. RANGE (service temp.) (FIN SEAL)	Internal	°C	110 - 200	120 - 200	120 - 200
SEAL STRENGTH (120°C, 1 sec, 2.8 bar) (FIN SEAL)	D-882	gms/25mm	600	800	1100
LINEAR SHRINKAGE (Max.) (30 Minute at 150°C) (MD)	D-1204	%		3.0	
LINEAR SHRINKAGE (Max.) (30 Minute at 150°C) (TD)				1.0	
W.V.T.R. (38°C & 90%RH)	F-1249	gm/m ² /day (gm/100in ² /day)	40 2.6	30 2.0	20 1.3
O.T.R. (23°C & 0%RH)	D-3985	cc/m ² /day (cc/100in ² /day)	110 71.0	80 5.2	70 4.5

Ref no QAD UFLI S/16 -F57/1

*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.

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 05-02-2018. All previous version of this grade are invalid.

Website: www.flexfilm.com