

F-UVF

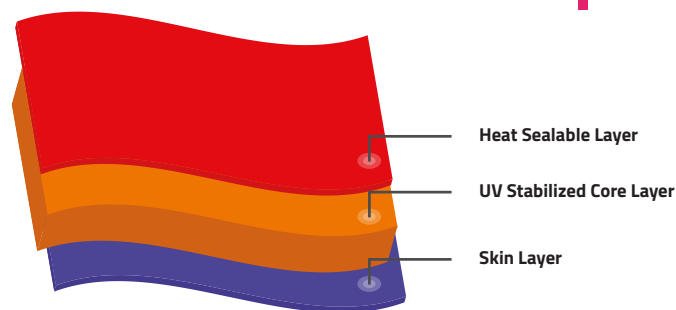
UV STABILIZED HEAT SEALABLE BOPET FILM

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

KEY FEATURES:

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

FILM STRUCTURE



APPLICATION:

- Film is suitable for FRP application

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES			
THICKNESS		Internal	Micron	15	23	36	
			(Gauge)	60	92	144	
YIELD		Internal	m ² / kg	47.6	31	19.84	
			in ² /lb	33550	21876	13978	
SURFACE TENSION (min) # (Heat Sealable Side)		ASTM D-2578	dyne/cm	48			
COF (max) (One Side to Other Side) (Untreated to Untreated)		ASTM D-1894	-	0.60	0.60	0.60	
HAZE (max)		ASTM D-1003	%	4.5	5.0	5.5	
UV Absorbance @ 355 nm (min)		Internal	%	1.5	1.8	1.8	
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm ²	1700	1600	1600	
	TD			1900	2000	2000	
	MD		(Psi)	24200	22700	22700	
	TD			28500	28500	28500	
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	115	120	130	
	TD			85	90	95	
HEAT SEAL TEMP. RANGE (service temp.)		FIN SEAL	Internal	°C	110 - 200	110 - 200	120 - 200
SEAL STRENGTH (120°C, 1 sec, 2.8 bar)		FIN SEAL	ASTM D-882	gms/25mm	600	800	1100
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD	ASTM D-1204	%	3.0			
	TD			1.0			
W.V.T.R. (38°C & 90% RH) (typical)		ASTM F-1249	gm/m ² /day	40	30	20	
			(gm/100 in ² /day)	2.6	2.0	1.3	
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m ² /day	110	80	70	
			(cc/100 in ² /day)	71.0	5.2	4.5	

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

STORAGE & HANDLING

FLEXPET™ need 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 date of shipment

FOOD CONTACT

FLEXPET™ complies with EU and FDA regulations on plastic materials used for food grade application. Specific document and SDS are available on request.

DISCLAIMER

It is the responsibility of our customers 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.

Ref. No: QAD UFLI S/20 - F73/1

**TDS issued on 4-01-2020.All previous version of this grade are invalid.

FlexFilms

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