

**TECHNICAL DATA SHEET**
**Product Description:**

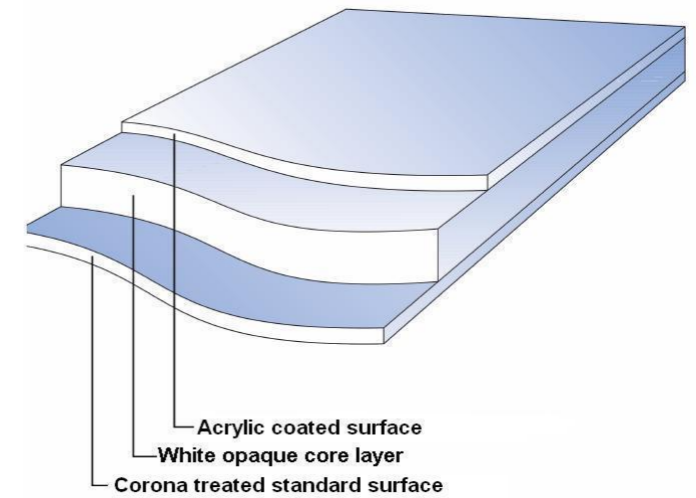
F-WAT is a white opaque polyester film  
It is one side acrylic coated other side corona treated.

**Application:**

Surface printing jobs & metallization  
Label application & blister packaging  
Other conversion where white backing required like lids

**Key Features:**

Excellent opacity & high brightness  
Excellent machinability & handling properties  
Good mechanical & thermal properties  
One side acrylic coated excellent adhesion with inks & adhesive.  
Out side corona treated for improved bond with outer substrate.

**Film Structure**


PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE				
			12	23	36	50	55
THICKNESS	Internal	Micron	12	23	36	50	55
		(Gauge)	48	92	144	200	220
FILM DENSITY	D-1505	gm/cc	1.45	1.45	1.45	1.45	1.45
GRAMMAGE	Internal	gm/m <sup>2</sup>	17.4	33.4	52.2	72.5	79.75
YIELD	Internal	m <sup>2</sup> /kg	57.47	29.98	19.16	13.79	12.54
		in <sup>2</sup> /lb	40490	21122	13499	9715	8834
TREATMENT LEVEL # (Min)	D-2578	(Acrylic coated side)	42	42	42	42	42
		(Corona treated side)	52	52	52	52	52
COEFF OF KINETIC FRICTION (Max)	D-1894	(One side to other side)	0.45	0.45	0.45	0.45	0.45
OPACITY (Min.)	D-2457	%	55	75	82	85	85
TENSILE STRENGTH AT BREAK	D-882	MD*	1700	1600	1500	1500	1500
		TD*	2000	2000	2000	2000	2000
TENSILE STRENGTH AT BREAK	D-882	MD*	24200	22700	21300	21300	21300
		TD*	28500	28500	28500	28500	28500
ELONGATION AT BREAK	D-882	MD	110	115	120	125	130
		TD	80	80	85	85	90
LINEAR SHRINKAGE (Max.) (30 Minute at 150 <sup>o</sup> C)	D-1204	MD	2.5	2.5	2.5	2.5	2.5
		TD	0.8	0.8	0.8	0.8	0.8

Ref no.QAD UFLI S/14 - F46/1

\*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 11-02-2015. All previous version of this grade are invalid.

Website: www.flexfilm.com