

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

F-WTU is a white opaque polyester film  
It is one side chemically primed coated other side untreated or corona treated.

**Application:**

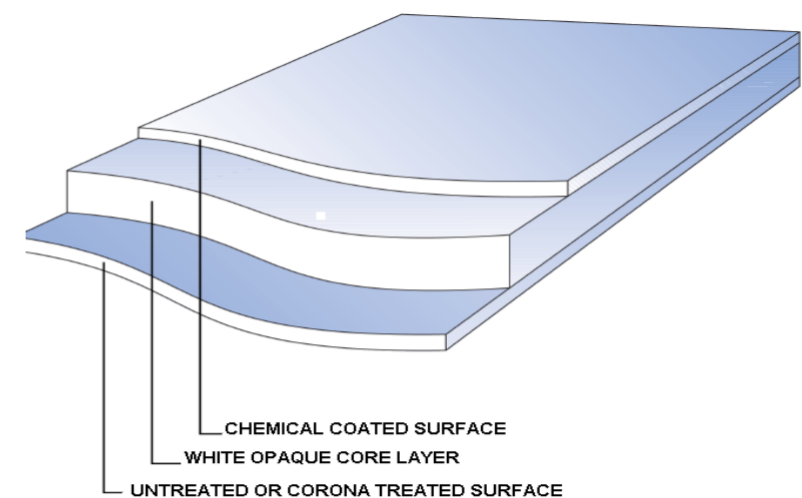
Surface printing jobs & metallization

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 chemical 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
THICKNESS	Internal	Micron (Gauge)	12 48	23 92	36 144	50 200
FILM DENSITY	D-1505	gm/cc	1.45	1.45	1.45	1.45
GRAMMAGE	Internal	gm/m <sup>2</sup>	17.4	33.4	52.2	72.5
YIELD	Internal	m <sup>2</sup> /kg in <sup>2</sup> /lb	57.47 40490	29.98 21122	19.16 13499	13.79 9715
TREATMENT LEVEL # (Min) (Chemical coated side) (Corona treated side)	D-2578	dyne/cm	52 52	52 52	52 52	52 52
COEFF OF KINETIC FRICTION (Max) (One side to other side)	D-1894	-	0.50	0.45	0.45	0.45
OPACITY (Min.)	D-2457	%	55	75	82	85
TENSILE STRENGTH AT BREAK	MD* TD*	Kg/cm <sup>2</sup>	1700 2000	1600 2000	1500 2000	1500 2000
TENSILE STRENGTH AT BREAK	MD* TD*		(Psi)	24200 28500	22700 28500	21300 28500
ELONGATION AT BREAK	MD TD	D-882	110 80	115 80	120 85	125 85
LINEAR SHRINKAGE (Max.) (30 Minute at 150 <sup>0</sup> C)	MD TD	D-1204	2.5 0.8	2.5 0.8	2.5 0.8	2.5 0.8

Ref no.QAD UFLI S/14 - F49/1

\*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](http://www.flexfilm.com)