

TECHNICAL DATA SHEET
(BIAXIALLY ORIENTED POLYESTER FILM)
Product Description:

F-AUT is a transparent polyester film

It is one side primer coated other side corona treated

Application:

Conversion

Printing & lamination

FFS machine

Hot fill, Pasteurization, Sterilization & Retort application

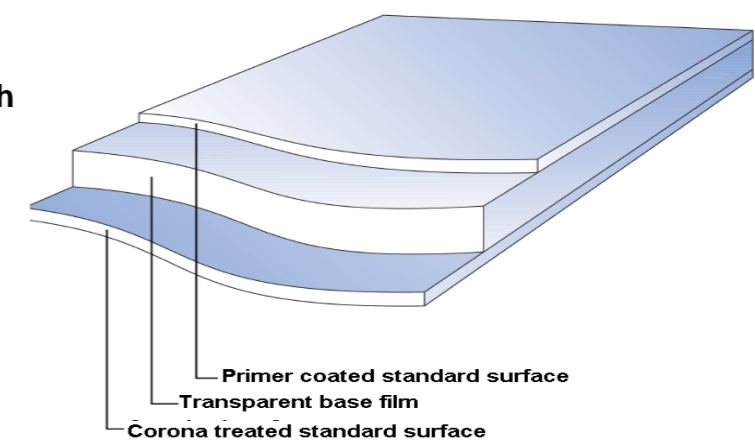
Key Features:

Very good transparency & clarity

One side primer coating provide excellent adhesion with inks & adhesives

Out side corona treated for improved bond with outer substrate

Excellent machinability & handling properties

Film Structure


PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE		
			10	12	23
THICKNESS	Internal	Micron (Gauge)	10 40	12 48	23 92
FILM DENSITY	D-1505	gm/cc	1.4	1.4	1.4
GRAMMAGE	Internal	gm/m ²	14	16.8	32.2
YIELD	Internal	m ² /kg in ² /lb	71.42 50318	59.52 41934	31.05 21876
TREATMENT LEVEL # (Min) (Primer coated Side)	D-2578	dyne/cm	42	42	42
(Corona treated Side)			52	52	52
COEFF OF KINETIC FRICTION (Max) (One side to other side)	D-1894	-	0.50	0.50	0.50
HAZE (Max)	D-1003	%	4.0	4.0	5.0
TENSILE STRENGTH AT BREAK	MD* TD*	Kg/cm ²	1900	1900	1900
TENSILE STRENGTH AT BREAK	MD* TD*		D-882	2000	2000
		(Psi)	27000	27000	27000
			28500	28500	28500
ELONGATION AT BREAK	MD TD	D-882	100	105	115
		%	80	85	90
LINEAR SHRINKAGE (Max.) (30 Minute at 150 ⁰ C)	MD TD	D-1204		< 3.0	< 1.0
W.V.T.R.(38 ⁰ C & 90%RH)	F-1249	gm/m ² /day (gm/100in ² /day)	50 3.2	45 2.9	30 2.0
O.T.R. (23 ⁰ C & 0%RH)	D-3985	cc/m ² /day (cc/100in ² /day)	155 10.1	130 8.5	80 5.2

Ref no QAD UFLI S/10 - F5/1

*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