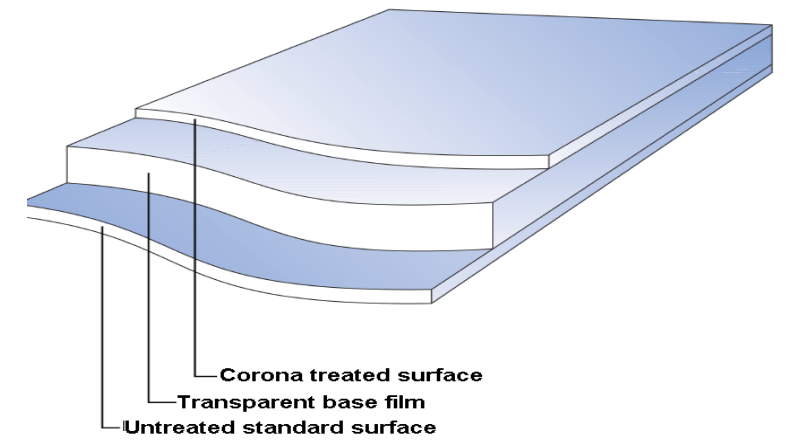


**TECHNICAL DATA SHEET**
**Product Description:**

F-IST is a transparent polyester film  
It is one corona side treated other side untreated

**Key Features:**

Excellent clarity & transparency  
Improved tensile & elongation properties  
Excellent mach inability & handling properties  
Balanced mechanical properties in all direction

**Film Structure**

**Application:**

This grade of film is ideal for lidding  
application in dairy product

**Paper lamination**

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE		
			12	23	36
THICKNESS	Internal	Micron (Gauge)	12 48	23 92	36 144
FILM DENSITY	D-1505	gm/cc	1.4	1.4	1.4
GRAMMAGE	Internal	gm/m <sup>2</sup>	16.8	32.2	50.4
YIELD	Internal	m <sup>2</sup> /kg in <sup>2</sup> /lb	59.52 41934	31.05 21876	19.84 13978
TREATMENT LEVEL # (Min) (Corona treated Side)	D-2578	dyne/cm	52	52	52
COEFF OF KINETIC FRICTION (Max) (Corona treated to plain) (Plain to plain)	D-1894	-	0.55 0.50	0.55 0.50	0.50 0.45
HAZE (Max)	D-1003	%	4.0	4.5	5.0
TENSILE STRENGTH AT BREAK	MD*	Kg/cm <sup>2</sup>	1800	1800	1700
	TD*		1900	1900	1900
TENSILE STRENGTH AT BREAK	MD*	(Psi)	25500	25500	24200
	TD*		27000	27000	27000
ELONGATION AT BREAK	MD	%	110	120	130
	TD		95	100	100
LINEAR SHRINKAGE (Max.) (30 Minute at 150 <sup>0</sup> C)	MD	%	<3.0		
	TD		<1.0		
W.V.T.R.(38 <sup>0</sup> C & 90%RH)	F-1249	gm/m <sup>2</sup> /day	45	30	20
		(gm/100in <sup>2</sup> /day)	2.9	2.0	1.3
O.T.R. (23 <sup>0</sup> C & 0%RH)	D-3985	cc/m <sup>2</sup> /day	130	80	70
		(cc/100in <sup>2</sup> /day)	8.5	5.2	4.5

Ref no QAD UFLI S/10 - F16/1

\*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)