

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

F-ESC is a transparent polyester film. It has one side special modified functional surface with controlled coefficient of friction and other side untreated or primer coated (AUU/ATU)

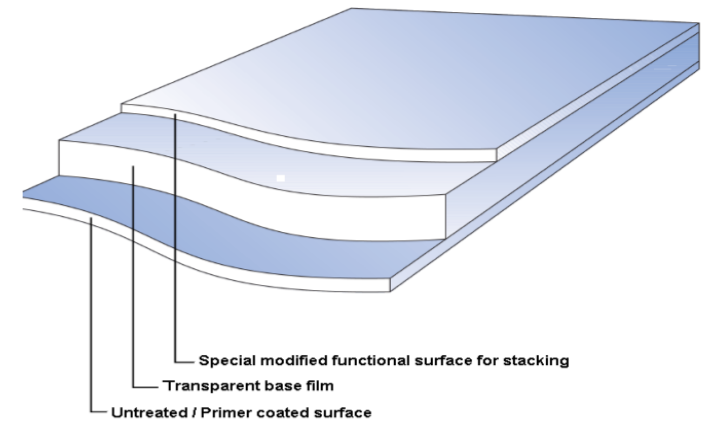
Applications:

Printing & lamination

Bag & pouch

Key Features:

- Very good clarity & transparency
- Excellent machinability & handling properties
- One side special modified functional surface for stacking of bags to prevent from slippage in storage or palletization
- Primer coating on other side provide excellent adhesion with inks & adhesives
- Controlled coefficient of friction

Film Structure


PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE	
			12	23
THICKNESS	Internal	Micron (Gauge)	12 48	23 92
FILM DENSITY	D-1505	gm/cc	1.4	1.4
GRAMMAGE	Internal	gm/m ²	16.8	32.2
YIELD	Internal	m ² /kg in ² /lb	59.52 41934	31.05 21876
TREATMENT LEVEL # (Primer coated Side) AUU/ATU (Min)	D-2578	dyne/cm	42/52	42/52
COEFF OF KINETIC FRICTION (Modified side to modified side) (Min-Max)	D-1894	-	0.60-0.80	0.60-0.80
(Other side to other side) (Max)			0.45	0.45
HAZE	D-1003	%	1.5	2.0
TENSILE STRENGTH AT BREAK	D-882	Kg/cm ²	1900	1900
			2000	2000
TENSILE STRENGTH AT BREAK	D-882	(Psi)	27000	27000
			28500	28500
ELONGATION AT BREAK	D-882	%	105	115
			85	90
LINEAR SHRINKAGE (Max.) (30 Minute at 150°C)	D-1204	%	3.0	3.0
			1.0	1.0
W.V.T.R.(38°C & 90% RH)	F-1249	gm/m ² /day (gm/100in ² /day)	45 2.9	30 2.0
O.T.R. (23°C & 0% RH)	D-3985	cc/m ² /day (cc/100in ² /day)	130 8.5	80 5.2

Ref no QAD UFLI S/16 - F/55/1

*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 16-05-2016.

Website: www.flexfilm.com