

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

F-MES is a matt effect polyester film. It is one side Matt corona treated surface other side glossy Untreated surface.

Applications:

Printing & lamination

Bag & pouch

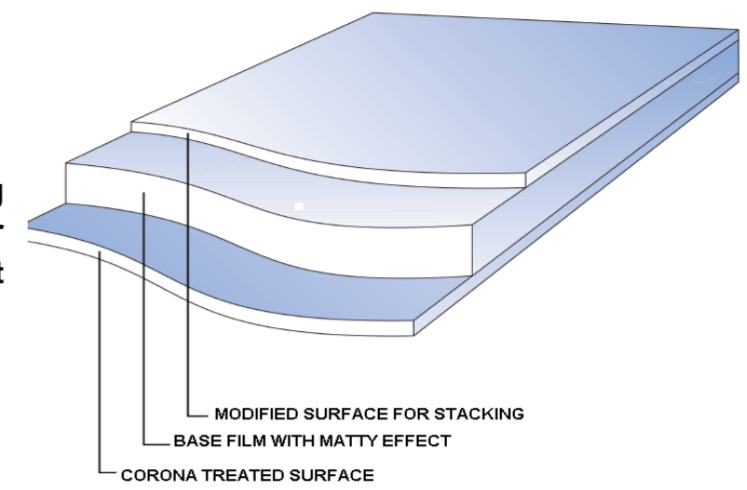
Key Features:

High Coefficient of Friction

Excellent machinability & handling properties

One side special modified surface for stacking of bags to prevent from slippage in storage or palletization, Other side corona treatment provide good adhesion with inks & adhesives

Very good matt effect

Film Structure


PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUE
				12
THICKNESS		Internal	Micron (Gauge)	12 48
FILM DENSITY		D-1505	gm/cc	1.4
GRAMMAGE		Internal	gm/m ²	16.8
YIELD		Internal	m ² /kg in ² /lb	59.52 41934
TREATMENT LEVEL # (Corona treated Side)	(Min)	D-2578	dyne/cm	52
COEFF OF KINETIC FRICTION (Modified side to modified side)	(Max)	D-1894	-	0.70
HAZE	(Min)	D-1003	%	35
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm ²	1900
	TD*			2000
TENSILE STRENGTH AT BREAK	MD*	D-882	(Psi)	27000
	TD*			28500
ELONGATION AT BREAK	MD	D-882	%	100
	TD			80
LINEAR SHRINKAGE (Max.) (30 Minute at 150°C)	MD	D-1204	%	3.0
	TD			1.0
W.V.T.R.(38°C & 90% RH)		F-1249	gm/m ² /day (gm/100in ² /day)	45 2.9
O.T.R. (23°C & 0% RH)		D-3985	cc/m ² /day (cc/100in ² /day)	130 8.5

Ref no QAD UFLI S/16 - F63/1

*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 24-05-2016.

Website: www.flexfilm.com