

TECHNICAL DATA SHEET
Product Description:

F-MUF is a matt polyester film

It is one side chemical coated other side untreated

Applications:

Board lamination

Thermal application

Label & conversion application

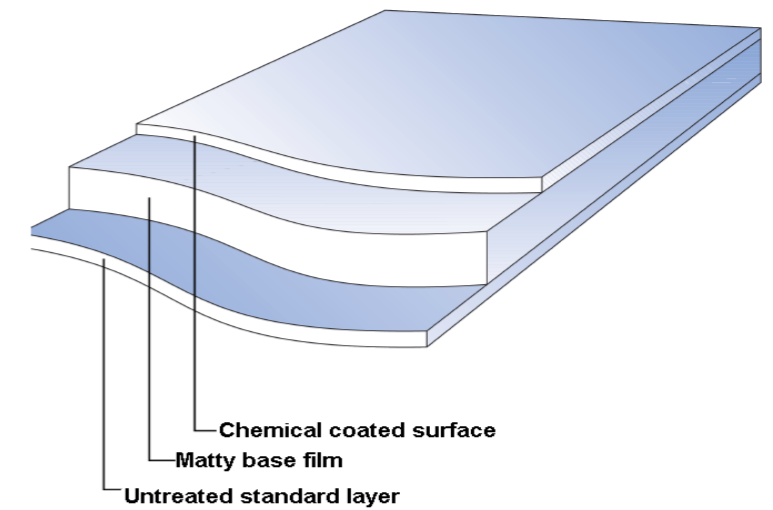
Key Features:

Very good matt effect

One side chemical coating provide excellent adhesion with inks & adhesives

Excellent machinability & handling properties

Good stiffness

Film Structure


PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE					
			10	12	19	23	50	
THICKNESS	Internal	Micron	10	12	19	23	50	
		(Gauge)	40	48	76	92	200	
FILM DENSITY	D-1505	gm/cc	1.4	1.4	1.4	1.4	1.4	
GRAMMAGE	Internal	gm/m ²	14.0	16.8	26.6	32.2	70.0	
YIELD	Internal	m ² /kg	71.42	59.52	37.59	31.05	14.28	
		in ² /lb	50318	41934	26483	21876	10060	
TREATMENT LEVEL # (Min) (Coated side)	D-2578	dyne/cm	48	48	48	48	48	
COEFF OF KINETIC FRICTION (Max) (One side to other side)	D-1894	-	0.45	0.45	0.45	0.45	0.40	
HAZE (Min)	D-1003	%	40	40	45	45	70	
TENSILE STRENGTH AT BREAK	D-882	Kg/cm ²	MD*	1700	1700	1700	1600	1500
			TD*	2000	2000	2000	2000	2000
TENSILE STRENGTH AT BREAK	D-882	(Psi)	MD*	24200	24200	24200	22700	21300
			TD*	28500	28500	28500	28500	28500
ELONGATION AT BREAK	D-882	%	MD	110	110	120	130	200
			TD	75	75	80	85	90
LINEAR SHRINKAGE (Max.) (30 Minute at 150°C)	D-1204	%	MD	3.0	3.0	3.0	3.0	3.0
			TD	1.0	1.0	1.0	1.0	1.0
W.V.T.R.(38°C & 90%RH)	F-1249	gm/m ² /day	50	45	35	30	16	
		(gm/100in ² /day)	3.2	2.9	2.3	2.0	1.0	
O.T.R. (23°C & 0%RH)	D-3985	cc/m ² /day	155	130	90	80	45	
		(cc/100in ² /day)	10.1	8.5	5.8	5.2	2.9	

Ref no QAD UFLI S/16 - F60/1

*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