

TECHNICAL DATA SHEET
Product Description:

 F-MSU is a **super matt effect** polyester film

It is one side chemical coated and other side untreated or corona treated.

Application:

Thermal lamination

Label application

Conversion application

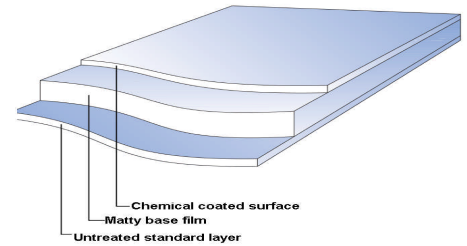
Board lamination

Key Features:
Super 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		
			12	19	23
THICKNESS	Internal	Micron	12	19	23
		(Gauge)	48	76	92
FILM DENSITY	D-1505	gm/cc	1.4	1.4	1.4
GRAMMAGE	Internal	gm/m ²	16.8	26.6	32.2
YIELD	Internal	m ² /kg	59.52	37.59	31.05
		in ² /lb	41934	26483	21876
TREATMENT LEVEL # (Min) (Coated side)	D-2578	dyne/cm	48	48	48
COEFF OF KINETIC FRICTION (Max) (One side to other side)	D-1894	-	0.45	0.40	0.40
HAZE (Min)	D-1003	%	70	75	85
GLOSS AT 45° angle	D-2457	-	28	26	25
TENSILE STRENGTH AT BREAK	MD*	Kg/cm ²	1500	1500	1400
	TD*		1900	1900	1900
TENSILE STRENGTH AT BREAK	MD*	(Psi)	21400	21400	19900
	TD*		27000	27000	27000
ELONGATION AT BREAK	MD	%	110	120	130
	TD		75	80	85
LINEAR SHRINKAGE (Max.) (30 Minute at 150°C)	MD	%	3.0	3.0	3.0
	TD		1.0	1.0	1.0
W.V.T.R.(38°C & 90%RH)	F-1249	gm/m ² /day	45	35	30
		(gm/100in ² /day)	2.9	2.3	2.0
O.T.R. (23°C & 0%RH)	D-3985	cc/m ² /day	130	90	80
		(cc/100in ² /day)	8.5	5.8	5.2

Ref no QAD UFLI S/15 - F53/1

*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