

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

F-PAM is a transparent polyester film

It is both side untreated

**Applications:**

Mining application

Flexible packaging application

Solvent & water base coating

**Key Features:**

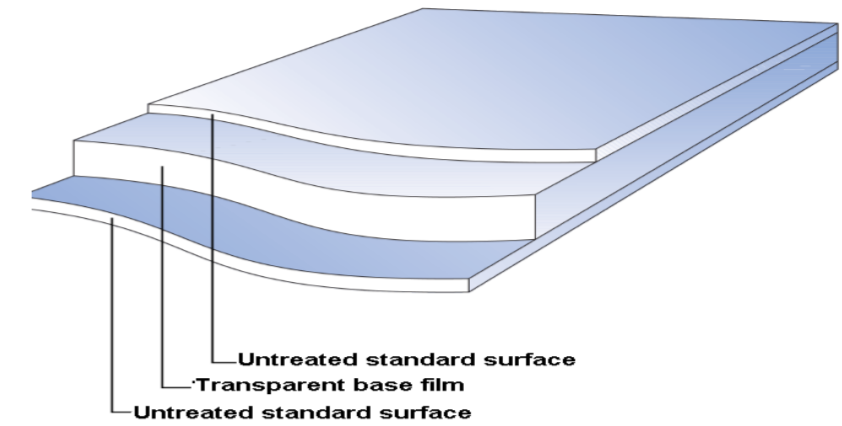
Very good gloss & clarity

Excellent surface and good handling properties

Excellent machinability & dimensional stability

Specially designed for FFS machine

Eco Friendly Characteristics

**Film Structure**


PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE			
			36	44	50	
THICKNESS	Internal	Micron	36	44	50	
		(Gauge)	144	175	200	
FILM DENSITY	D-1505	gm/cc	1.4	1.4	1.4	
GRAMMAGE	Internal	gm/m <sup>2</sup>	50.4	61.6	70.0	
YIELD	Internal	m <sup>2</sup> /kg	19.84	16.23	14.28	
		in <sup>2</sup> /lb	13978	11400	10060	
COEFF OF KINETIC FRICTION (Plain to plain)	(Max) D-1894	-	0.45	0.45	0.45	
HAZE	(Max) D-1003	%	7.5	8.0	8.0	
TENSILE STRENGTH AT BREAK	D-882	Kg/cm <sup>2</sup>	1900	1900	1900	
			2100	2100	2100	
TENSILE STRENGTH AT BREAK		MD*	(Psi)	27000	27000	27000
		TD*		30000	30000	30000
ELONGATION AT BREAK	D-882	MD	120	120	120	
		TD	110	110	110	
LINEAR SHRINKAGE (Max.) (30 Minute at 150°C)	MD	D-1204	%	1.5	1.5	
	TD			1.5	1.5	
W.V.T.R.(38°C & 90%RH)	F-1249	gm/m <sup>2</sup> /day	20	18	16	
		(gm/100in <sup>2</sup> /day)	1.3	1.2	1.0	
O.T.R. (23°C & 0%RH)	D-3985	cc/m <sup>2</sup> /day	70	55	45	
		(cc/100in <sup>2</sup> /day)	4.5	3.6	2.9	

Ref no. QAD UFLI S/16 - F/54/1

\*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](http://www.flexfilm.com)