FLEXPET™ F-PDP

(BIAXIALLY ORIENTED POLYESTER FILM)

TECHNICAL DATA SHEET

Product Description:

F-PDP is a transparent polyester film.It is one side modified surface for direct digital printing other side untreated

Application:

Film is designed for direct Digital printing with HP Indigo press

Key Features:

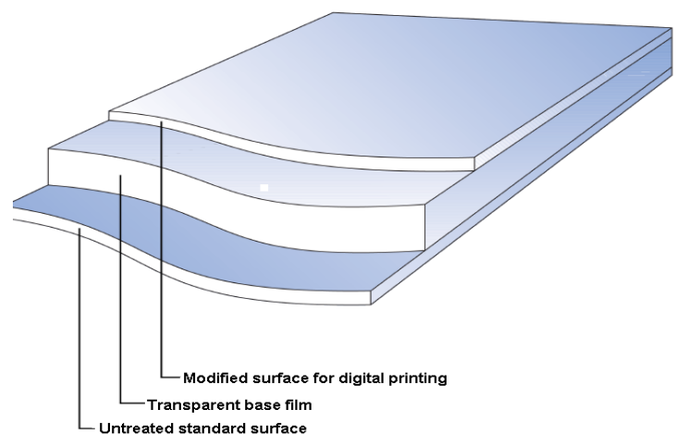
Very good transparency & clarity

Excellent surface and good handling properties

Excellent machinability & dimensional stability

Excellent Flatness

Film Structure



PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUE				
				12	23	38	45	50
THICKNESS		Internal	Micron	12	23	38	45	50
			(Gauge)	48	92	152	180	200
FILM DENSITY		D-1505	gm/cc	1.4	1.4	1.4	1.4	1.4
GRAMMAGE		Internal	gm/m^2	16.8	32.2	53.2	63	70.0
YIELD		Internal	m^2/kg	59.52	31.05	18.79	15.87	14.28
			in^2/lb	41934	21876	13238	11180	10060
TREATMENT LEVEL # (Modified Side)	(Min)	D-2578	dyne/cm	42	42	42	42	42
COEFF OF KINETIC FRICTION (One side to other side)	(Max)	D-1894	-	0.45	0.45	0.40	0.40	0.40
HAZE	(Max)	D-1003	%	4.0	4.5	5.0	5.0	5.5
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm^2	1900	1900	1750	1750	1750
	TD*			2000	2000	2000	2000	2000
TENSILE STRENGTH AT BREAK	MD*		(Psi)	27000	27000	25000	25000	25000
	TD*			28500	28500	28500	28500	28500
ELONGATION AT BREAK	MD	D-882	%	105	115	120	125	125
	TD			85	90	90	90	90
LINEAR SHRINKAGE (Max.) (30 Minute at 150^0C)	MD	D-1204	%	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.(38^0C & 90%RH)		F-1249	$gm/m^2/day$	45	30	20	18	16
			$(gm/100in^2/day)$	2.9	2.0	1.3	1.2	1.0
O.T.R. (23^0C & 0%RH)		D-3985	$cc/m^2/day$	130	80	70	55	45
			$(cc/100in^2/day)$	8.5	5.2	4.5	3.5	2.9

Ref no QAD UFLI S/16 - F65/1

***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