

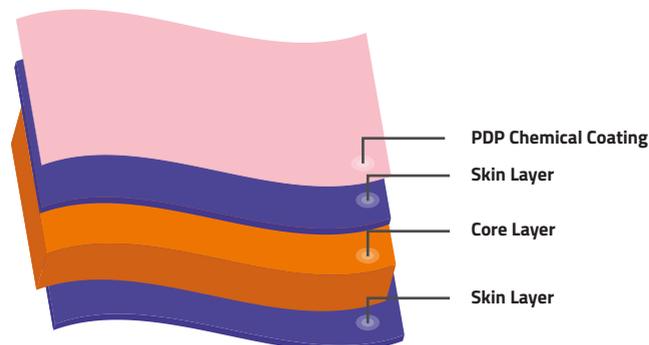
# F-PDP BOPET FILM FOR DIGITAL PRINTING

F-PDP is a transparent BOPET film. The film is one side PDP chemical coating for direct digital printing other side untreated.

## KEY FEATURES:

- Very good transparency & clarity
- Excellent surface and good handling properties
- Excellent machinability & dimensional stability
- Excellent Flatness

## FILM STRUCTURE



## APPLICATION:

- Film is designed for direct Digital printing with HP Indigo press

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES				
THICKNESS		Internal	Micron	12	23	38	45	50
			(Gauge)	48	92	152	180	200
YIELD		Internal	m <sup>2</sup> / kg	59.52	31.05	18.79	15.87	14.28
			in <sup>2</sup> / lb	41934	21876	13238	11180	10060
SURFACE TENSION (min) # (PDP Chemical Coating Side)		ASTM D-2578	dyne/cm	38				
COF (max) (One side to the other side)		ASTM D-1894	-	0.45	0.45	0.40	0.40	0.40
HAZE (max)		ASTM D-1003	%	4.0	4.5	5.0	5.0	5.5
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm <sup>2</sup>	1900	1900	1750	1750	1750
	TD			2000	2000	2000	2000	2000
	MD		(Psi)	27000	27000	25000	25000	25000
	TD			28500	28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	105	115	120	125	125
	TD			85	90	90	90	90
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD	ASTM D-1204	%	3.0				
	TD			1.0				
W.V.T.R. (38°C & 90% RH) (typical)		ASTM F-1249	gm/m <sup>2</sup> /day	45	30	20	18	16
			(gm/100 in <sup>2</sup> /day)	2.9	2.0	1.3	1.2	1.0
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m <sup>2</sup> /day	130	80	70	55	45
			(cc/100 in <sup>2</sup> /day)	8.5	5.2	4.5	3.5	2.9

# The inherent surface tension of the untreated side of any Pet film is minimum 42 dyne/cm

### STORAGE & HANDLING

FLEXPET™ need to be stored in a warehouse below 35°C (95° F) and should not be exposed to direct sunlight, bright light sources or high humidity. If the material is stored in the recommended conditions, FLEXPET™ is suitable for use within 270 days from date of shipment.

### FOOD CONTACT

FLEXPET™ complies with EU and FDA regulations on plastic materials used for food grade application. Specific document and SDS are available on request.

### DISCLAIMER

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