

# F-WAT

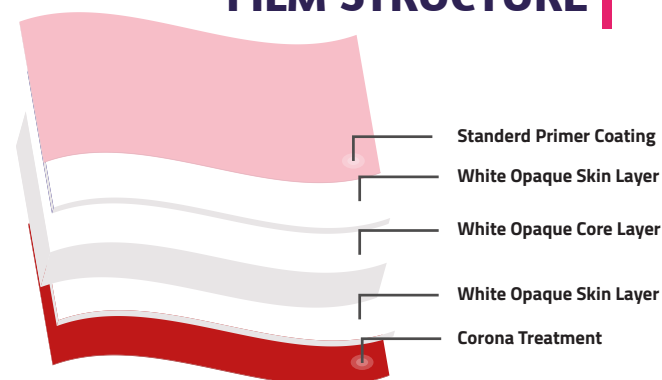
## STANDARD PRIMER COATED WHITE OPAQUE BOPET FILM

F-WAT is a white opaque polyester film. The film is one side Standard Primer Coated and other side corona treated.

### KEY FEATURES:

- Excellent opacity & high brightness
- Excellent machinability & handling properties
- Good mechanical & thermal properties
- One side acrylic coated, excellent adhesion with inks & adhesive.
- Out side corona treated for improved bond with outer substrate.

## FILM STRUCTURE



### APPLICATION:

- Surface Printing jobs & Metallization
- Label application & Blister Packaging
- Other conversion where white backing required like lids

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES				
THICKNESS		Internal	Micron	12	23	36	50	55
			(Gauge)	48	92	144	200	220
YIELD		Internal	m <sup>2</sup> / kg	57.47	29.98	19.16	13.79	12.54
			in <sup>2</sup> /lb	40490	21122	13499	9715	8834
SURFACE TENSION (min) (Standard Primer Coated Side) (Corona Treated Side)		ASTM D-2578	dyne/cm	40				
				52				
COF (max) (One side to the other side)		ASTM D-1894	-	0.45	0.45	0.45	0.45	0.45
OPACITY (min)		Hunter Lab	%	55	75	82	85	85
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm <sup>2</sup>	1700	1600	1500	1500	1500
	TD			2000	2000	2000	2000	2000
	MD		(Psi)	24200	22700	21300	21300	21300
	TD			28500	28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	110	115	120	125	130
	TD			80	80	85	85	90
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD	ASTM D-1204	%	2.5				
	TD			0.8				
W.V.T.R. (38°C & 90% RH) (typical)		ASTM F-1249	gm/m <sup>2</sup> /day	45	25	15	12	10
			(gm/100 in <sup>2</sup> /day)	2.9	1.6	1.0	0.8	0.6
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m <sup>2</sup> /day	160	75	45	35	30
			(cc/100 in <sup>2</sup> /day)	10.3	4.8	2.9	2.2	1.9

### 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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