

# F-MAT

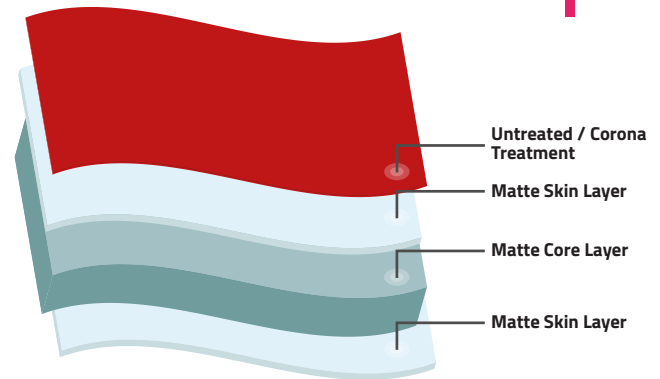
## MATTE FILM

F-MAT is a matte effect BOPET film. The film is either both sides Untreated or one side Untreated with the other side being Corona Treated.

### KEY FEATURES:

- Excellent matte effect
- Corona Treatment improves bonding
- Excellent machinability & handling properties
- Good stiffness

## FILM STRUCTURE



### APPLICATION:

- Thermal Lamination
- Label Application
- Conversion Application
- Board Lamination

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES			
THICKNESS		Internal	Micron	12	15	19	23
			(Gauge)	48	60	76	92
YIELD		Internal	m <sup>2</sup> / kg	59.52	47.62	37.59	31.05
			in <sup>2</sup> / lb	41934	33548	26483	21876
SURFACE TENSION (min) # (Corona Treated Surface)		ASTM D-2578	dyne/cm	52			
COF (max) (Untreated to Untreated) (Untreated to Corona Treated)		ASTM D-1894	-	0.45	0.45	0.45	0.45
				0.50	0.50	0.50	0.50
HAZE (min)		ASTM D-1003	%	40	40	45	45
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm <sup>2</sup>	1700	1700	1700	1600
	TD			2000	2000	2000	2000
	MD		(Psi)	24200	24200	24200	22700
	TD			28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	110	110	120	130
	TD			75	75	80	85
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD	ASTM D-1204	%	3.0			
	TD			1.0			
MVTR (38°C & 90% RH) (typical)		ASTM F-1249	gm/m <sup>2</sup> /day	45	40	35	30
			(gm/100 in <sup>2</sup> /day)	2.9	2.6	2.3	2.0
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m <sup>2</sup> /day	130	110	90	80
			(cc/100 in <sup>2</sup> /day)	8.5	7.1	5.8	5.2

# The inherent surface tension of the Untreated side of any PET film is a minimum of 42 dyne/cm.

### STORAGE & HANDLING

SELEXIBLE needs 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, SELEXIBLE is suitable for use within 270 days from the date of shipment.

### FOOD CONTACT

SELEXIBLE complies with EU and FDA regulations on plastic materials used for food grade applications. Specific documents and SDS are available on request.

### DISCLAIMER

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