

# F-HMB

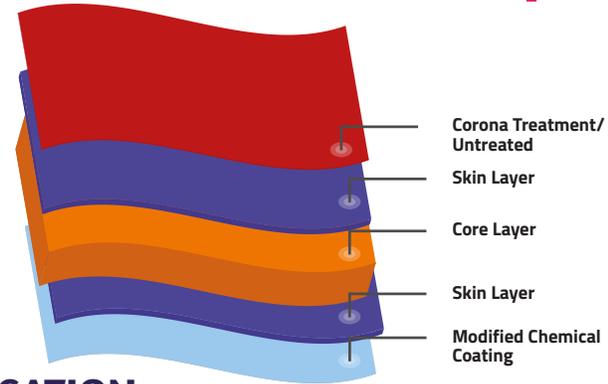
## MODIFIED CHEMICAL COATED FILM

Base polyester is a specialized design for high adhesion to typical inks and adhesives. The film is one side Modified Chemical Coated film with the other side Corona Treated or Untreated.

### KEY FEATURES:

- High Lamination Bond
- Good machinability & handling properties

## FILM STRUCTURE



### APPLICATION:

- Flexible packaging
- Lamination
- Hot fill applications up to 80°C
- Retortable

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES			
THICKNESS		Internal	Micron	11	12	23	36
			(Gauge)	44	48	92	144
YIELD		Internal	m <sup>2</sup> / kg	64.93	59.52	31.05	19.84
			in <sup>2</sup> /lb	45745	41934	21876	13978
SURFACE TENSION (min) # (Modified Chemical Coated surface) (Corona Treated surface)		ASTM D-2578	dyne/cm	42 52			
COF (max) (Chemical side to Untreated side) (Chemical side to Corona side)		ASTM D-1894	-	0.5	0.5	0.5	0.5
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.0	5.0
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm <sup>2</sup>	1900	1900	1900	1750
	TD			2000	2000	2000	2000
	MD		(Psi)	27000	27000	27000	25000
	TD			28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	100	105	115	120
	TD			85	85	90	90
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	45	30	20
			(gm/100 in <sup>2</sup> /day)	2.9	2.9	2.0	1.3
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m <sup>2</sup> /day	130	130	80	70
			(cc/100 in <sup>2</sup> /day)	8.5	8.5	5.2	4.5

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

### STORAGE & HANDLING

FLEXPET™ 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, FLEXPET™ is suitable for use within 270 days from the date of shipment.

### FOOD CONTACT

FLEXPET™ 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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