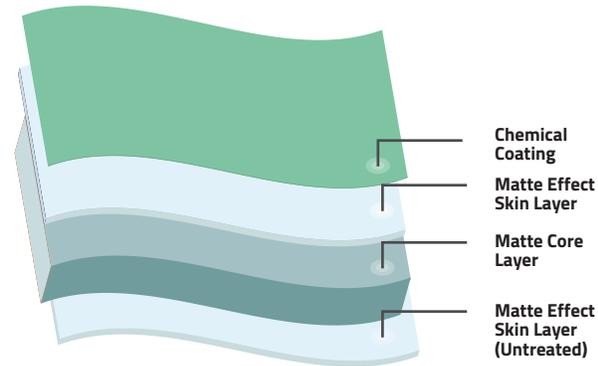


# F-MCH

## CHEMICAL COATED MATTE FILM

F-MCH is a matte effect BOPET film. The film is Chemical Coated on one side and Untreated on the other side.

## FILM STRUCTURE



### KEY FEATURES:

- Excellent matte effect
- Chemical Coating provides excellent adhesion with various inks and adhesives
- Excellent machinability & handling properties
- Good stiffness

### APPLICATION:

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

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES		
THICKNESS		Internal	Micron	12	19	23
			(Gauge)	48	76	92
YIELD		Internal	m <sup>2</sup> / kg	59.52	37.59	31.05
			in <sup>2</sup> /lb	41934	26483	21876
SURFACE TENSION (min) # (Chemical Coated Surface)		ASTM D-2578	dyne/cm	60		
COF (max) (Untreated to Chemical Coated)		ASTM D-1894	-	0.45	0.45	0.45
HAZE (min)		ASTM D-1003	%	40	45	45
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm <sup>2</sup>	1700	1700	1600
	TD			2000	2000	2000
	MD		(Psi)	24200	24200	22700
	TD			28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	110	120	130
	TD			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	35	30
			(gm/100 in <sup>2</sup> /day)	2.9	2.3	2.0
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m <sup>2</sup> /day	130	90	80
			(cc/100 in <sup>2</sup> /day)	8.5	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

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

It is the responsibility of our customer to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The values provided in the technical data sheet represent typical values based on the best of our knowledge as of the date when the data was compiled. The data 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 provides no warranty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheets. Flex reserves the right to change the technical data sheet at any time without prior notice.

Ref. No: QAD UFLI S/20 - MF48/1

\*\* TDS issued on 01-04-2020. All previous version of this grade are invalid.

**FlexFilms**

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