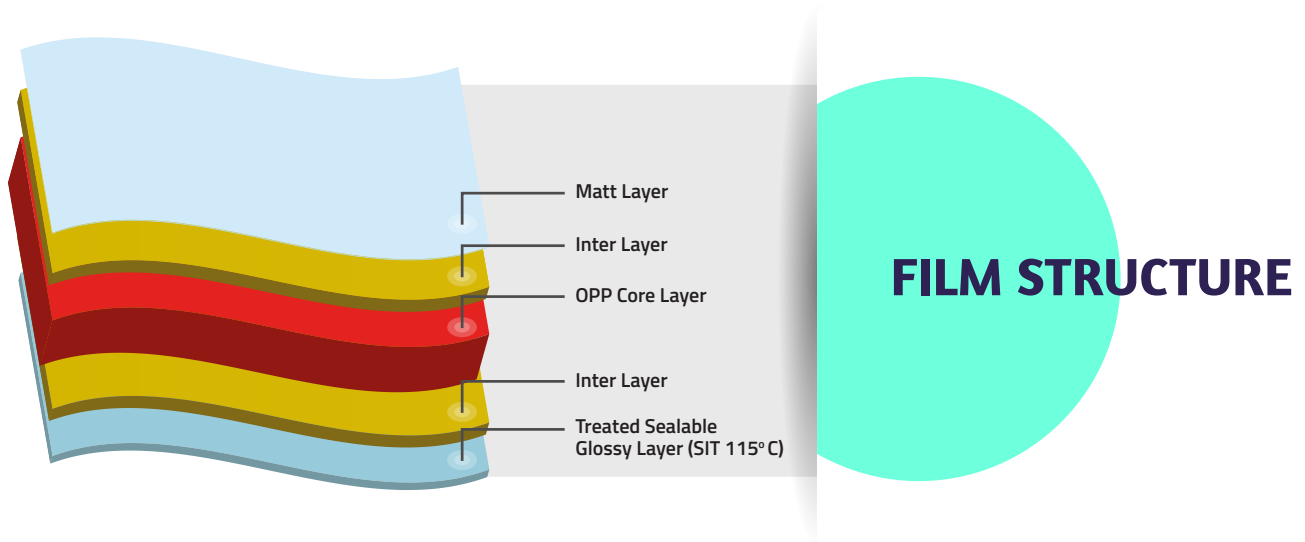


# B-MNH

## Matt BOPP Film

B-MNH is a matt film with one side regular matt and other side treated heat sealable glossy layer for good printability.



## THE BIG DIFFERENTIATORS



### Good Antistatic & Slip

Excellent runnability at high speed both during the lamination process as well as on FFS m/c.



### Excellent Matt Dispersion

Imparting subtle richness to branding.



### Good Contact Clarity

Low gloss level derives elegant print graphics.



### Good Printability

Excellent halftone dot transfer.



### Good Bond

Improved ink adhesion & stronger lamination bond.

## KEY FEATURES:

- Excellent matt dispersion
- High haze & low gloss
- Good printability
- Good antistatic & slip

## APPLICATIONS:

- Bakery (biscuit, cookie, crackers)
- Chips & snacks
- Confectionary

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES		
THICKNESS		Internal	Micron	18	20	30
			(Gauge)	72	80	120
FILM DENSITY		D-1505	gm/cc	0.87		
GRAMMAGE		Internal	gm/m <sup>2</sup>	15.7	17.4	26.1
YIELD		Internal	m <sup>2</sup> /kg	63.7	57.5	38.3
			in <sup>2</sup> /lb	44781	40422	26925
TREATMENT LEVEL		D-2578	dyne/cm	38		
COEFF OF FRICTION (Matt/Matt)	Dynamic	D-1894	-	0.30 ± 0.05		
HAZE	(Min.)	D-1003	%	70	70	70
GLOSS (at 45°)	Matty side	D-2457	Unit	9	9	9
	Glossy side			50	50	50
TENSILE STRENGTH AT BREAK	MD*	D-882	kg/cm <sup>2</sup>	1100		
	TD*			2200		
	MD*		(KPsi)	15.6		
	TD*			31.3		
ELONGATION AT BREAK	MD*	D-882	%	170		
	TD*			70		
LINEAR SHRINKAGE (max) (5 Minutes at 130° C)	MD*	D-1204	%	6.0		
	TD*			3.0		
HEAT SEAL INITIATION TEMPERATURE		Internal	° C	115		
HEAT SEAL STRENGTH	(Min.)	Internal	gm/25mm	250	250	250
WATER VAPOUR TRANSMISSION RATE (38° C & 90% RH)		F-1249	gm/m <sup>2</sup> /day	7.8	7.5	6.7
			(gm/100 in <sup>2</sup> /day)	0.50	0.48	0.43
OXYGEN TRANSMISSION RATE (23° C & 0% RH)		D-3985	cc/m <sup>2</sup> /day	1900	1900	1700
			(cc/100 in <sup>2</sup> /day)	123	123	110

Ref no QAD UFLI S/14 - B40/3

\*MD = MACHINE DIRECTION \*TD = TRANSVERSE DIRECTION

## STORAGE & HANDLING

FLEXOPP™ does not require special storage conditions. It is recommended to storage below 30° C in order to avoid any deterioration of the film surface properties. It is advisable to use the material on FIFO basis. The film should be kept at an operating environment for 24 hours before processing. FLEXOPP™ is best suitable for use within 6 months from date of dispatch.

## FOOD CONTACT

FLEXOPP™ complies with EC and FDA regulations. Specific document and MSDS are available on request.

## DISCLAIMER

It is the responsibility of our customers 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.

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

**FlexFilms**

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