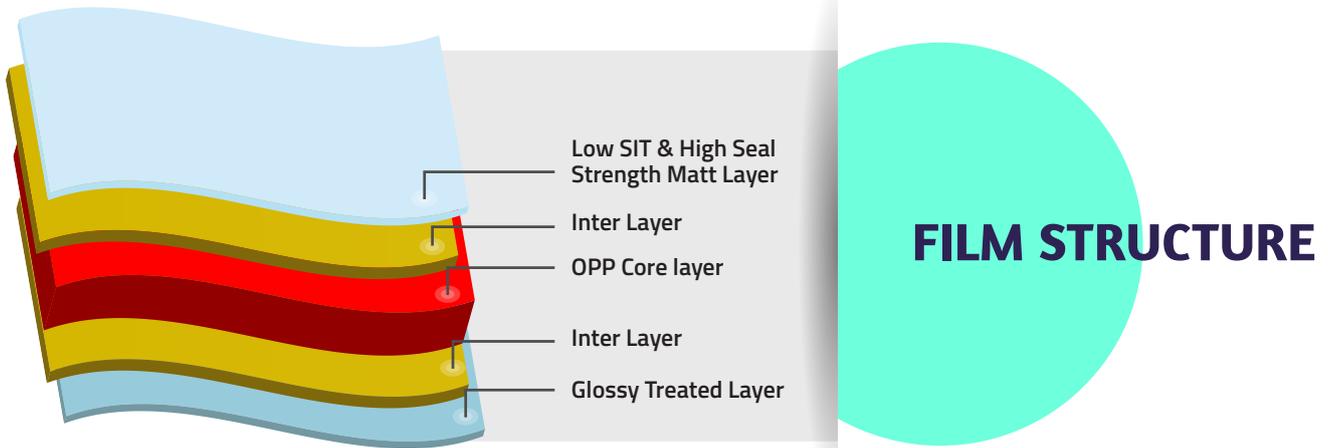


# B-MLS

## Matt Heat Sealable BOPP Film

B-MLS is a functionally modified film with low SIT & high seal strength on matt side and other side glossy sealable treated layer for good printability.



## THE BIG DIFFERENTIATORS



### Enhanced Sealant Design For Pinch Bottom Seal By Hot Air

Provides superior lap seal strength needed to make leak proof heavy duty bags.



### Excellent Matt Dispersion

Imparting subtle richness to branding.



### Good Contact Clarity

Low gloss level derives elegant print graphics.



### Extended Shelf Life

Hot air sealed-leak proof bag completely isolate external contaminations and improves shelf life of packed products.



### Good Bond

Improved ink adhesion & stronger lamination bond.

## KEY FEATURES:

- Excellent matt dispersion
- Good contact clarity
- Low SIT & good seal strength
- Excellent pinch bottom sealing by hot air
- Good printability
- Good extrusion bond

## APPLICATIONS:

- Pet food, rice bag
- Snacks & chips packaging
- Heavy duty bags

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES			
THICKNESS		Internal	Micron	18	20	25	30
			(Gauge)	72	80	100	120
FILM DENSITY		D-1505	gm/cc	0.87			
GRAMMAGE		Internal	gm/m <sup>2</sup>	15.7	17.4	21.8	26.1
YIELD		Internal	m <sup>2</sup> /kg	63.7	57.5	45.9	38.3
			in <sup>2</sup> /lb	44781	40422	32267	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			
GLOSS (at 45°)	Matty side	D-2457	Unit	10			
	Glossy side			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	%	200			
	TD*			70			
LINEAR SHRINKAGE (max) (5 Minutes at 130° C)	MD*	D-1204	%	6.0			
	TD*			3.0			
HEAT SEAL INITIATION TEMPERATURE		Internal	° C	106			
HEAT SEAL STRENGTH	(Min.)	Internal	gm/25mm	450	475	500	525
WATER VAPOUR TRANSMISSION RATE (38° C & 90% RH)		F-1249	gm/m <sup>2</sup> /day	7.8	7.5	7	6.7
			(gm/100 in <sup>2</sup> /day)	0.50	0.48	0.45	0.43
OXYGEN TRANSMISSION RATE (23° C & 0% RH)		D-3985	cc/m <sup>2</sup> /day	1900	1900	1800	1700
			(cc/100 in <sup>2</sup> /day)	123	123	116	110

Ref no QAD UFLI S/17 - B 45/2

\*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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