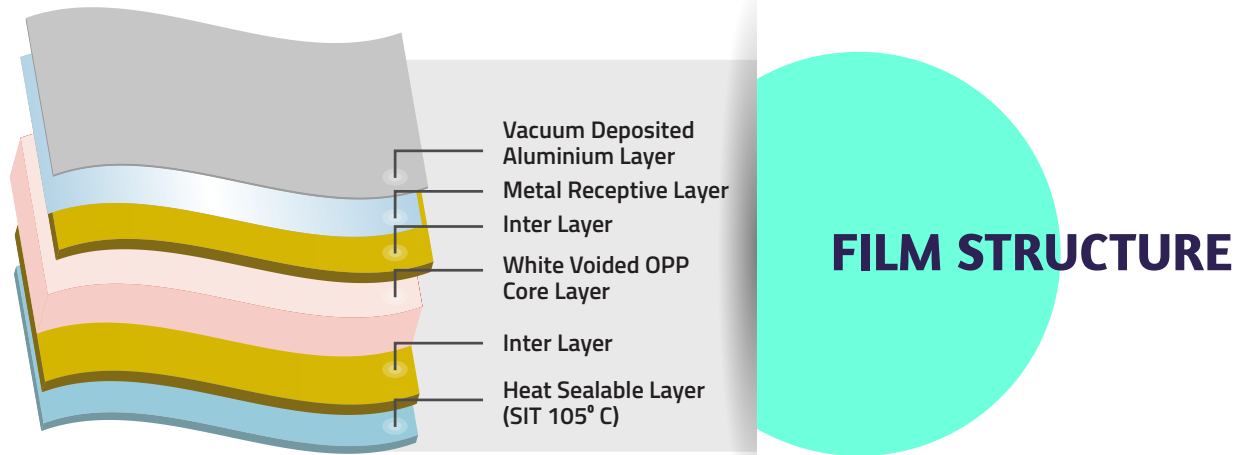


# B-PVL-M

## White Voided Metallized BOPP Film

B-PVL-M is a white voided metallized BOPP Film, having one side metal treated layer and other side sealable.



## THE BIG DIFFERENTIATORS



**Bright White Appearance**  
Excellent ink & adhesive anchorage.



**Excellent Metal Bond & Metal Cracking Resistance**  
Durability & sustainability of barrier under extreme conditions. Stronger extrusion/adhesive bond strengths.



**Exceptional Metal Gloss**  
Enhanced graphics & images.



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



**Good Seal Functionality**  
Improved lap seal strength.

## KEY FEATURES:

- Excellent aesthetic
- Good metal brilliance
- Excellent machinability
- High opacity
- Good metal bond & metal cracking resistance

## APPLICATIONS:

- Snacks and confectionary
- Biscuits, cookies & crackers

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES			
THICKNESS		Internal	Micron	25	30	35	40
			(Gauge)	100	120	140	160
FILM DENSITY		D-1505	gm/cc	0.65			
GRAMMAGE		Internal	gm/m <sup>2</sup>	16.2	19.5	22.8	26.0
YIELD		Internal	m <sup>2</sup> /kg	61.7	51.3	43.8	38.5
			in <sup>2</sup> /lb	43375	36064	30791	27065
TREATMENT LEVEL		D-2578	dyne/cm	36			
OPTICAL DENSITY (TOLERANCE: +/- 5%)		Internal	-	2.2			
TENSILE STRENGTH AT BREAK	MD*	D-882	kg/cm <sup>2</sup>	700			
	TD*			1300			
	MD*		(KPsi)	9.9			
	TD*			18.5			
ELONGATION AT BREAK	MD*	D-882	%	180			
	TD*			50			
LINEAR SHRINKAGE (max) (5 Minutes at 130°C)	MD*	D-1204	%	6.0			
	TD*			3.0			
HEAT SEAL INITIATION TEMPERATURE		Internal	°C	105			
HEAT SEAL STRENGTH	(Min)	Internal	gm/25mm	250	275	300	325
WATER VAPOUR TRANSMISSION RATE (38°C & 90% RH)		F-1249	gm/m <sup>2</sup> /day	1.0	0.9	0.85	0.8
			(gm/100 in <sup>2</sup> /day)	0.06	0.06	0.05	0.05
OXYGEN TRANSMISSION RATE (23°C & 0% RH)		D-3985	cc/m <sup>2</sup> /day	100	90	85	80
			(cc/100 in <sup>2</sup> /day)	6.4	5.8	5.4	5.1

Ref no QAD UFLI S/20 - MB 14/1

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

## STORAGE & HANDLING

FLEXMETPROTECT™ 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. FLEXMETPROTECT™ is best suitable for use within 3 months from date of dispatch.

## FOOD CONTACT

FLEXMETPROTECT™ 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 versions of this grade are invalid.

**FlexFilms**

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