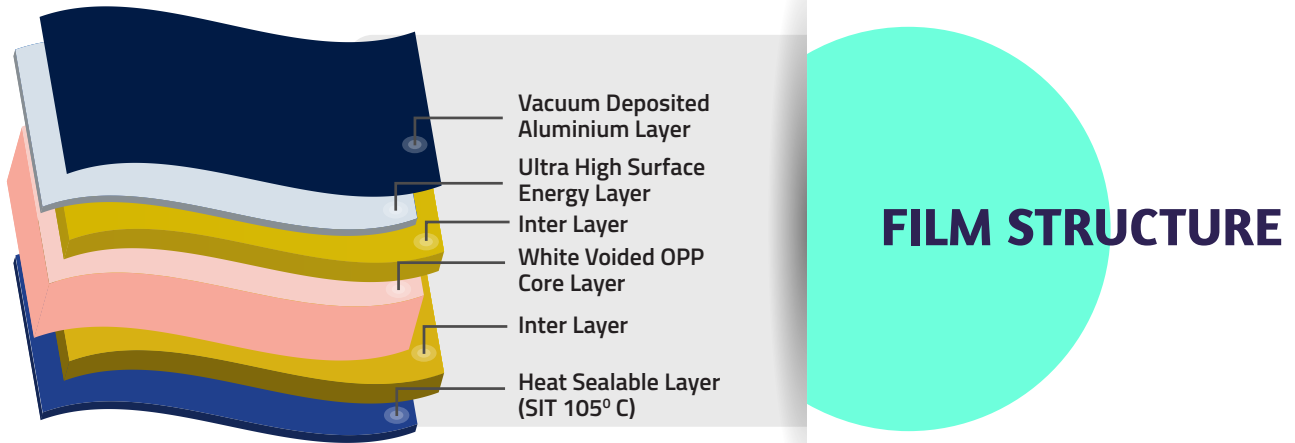


# B-UHP-M

## Outstanding Barrier White Voided Metallized BOPP film

B-UHP-M is an outstanding barrier white voided metallized BOPP film, having ultra high surface energy on one side and the other side heat sealable. The film has exceptional barrier to oxygen, moisture, aroma and mineral oil. Sustainable & recyclable solutions to replace AL foil.



## THE BIG DIFFERENTIATORS



### Replacement Of Aluminium Foil

Sustainable & recyclable solution. Superior Gelbo test results.



### Ultra High Barrier

Improves shelf life of chips/snacks by 50% retaining classical freshness, crispness & aroma.



### Excellent Metal Bond & Flex Cracking Resistance

Durability & sustainability of barrier under extreme conditions. Much stronger extrusion/adhesive bond strengths.



### Good Resistance To Mineral Oil

Absolute protection of oxidation for cattle chips with significant fat content.



### Clean Bright White Appearance

Excellent ink, cold seal & adhesive anchorage.

## KEY FEATURES:

- Exceptional oxygen & moisture barrier
- Exceptional barrier to aroma
- Good migration barrier (mineral oil)
- Excellent metal adhesion
- PVDC coated film replacement chlorine free
- Replacement of AL foil
- Easy processing at high speed
- Sustainable & recyclable solution

## APPLICATIONS:

- Dry fruits & beverage packaging
- Chips & snacks packaging
- Biscuits, cookies & crackers packaging
- Confectionery & chocolate packaging

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES
THICKNESS		Internal	Micron	35
			(Gauge)	140
FILM DENSITY		D-1505	gm/cc	0.65
GRAMMAGE		Internal	gm/m <sup>2</sup>	22.8
YEILD		Internal	m <sup>2</sup> /kg	43.8
			in <sup>2</sup> /lb	30791
TREATMENT LEVEL		D-2578	dyne/cm	36
OPTICAL DENSITY (TOLERANCE: +/- 5%)		Internal	-	2.5
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	400
WATER VAPOUR TRANSMISSION RATE (38°C & 90% RH)		F-1249	gm/m <sup>2</sup> /day	0.1
			(gm/100 in <sup>2</sup> /day)	0.006
OXYGEN TRANSMISSION RATE (23°C & 0% RH)		D-3985	cc/m <sup>2</sup> /day	0.1
			(cc/100 in <sup>2</sup> /day)	0.006

Ref no QAD UFLI S/20 – MB 13/1

\*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 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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