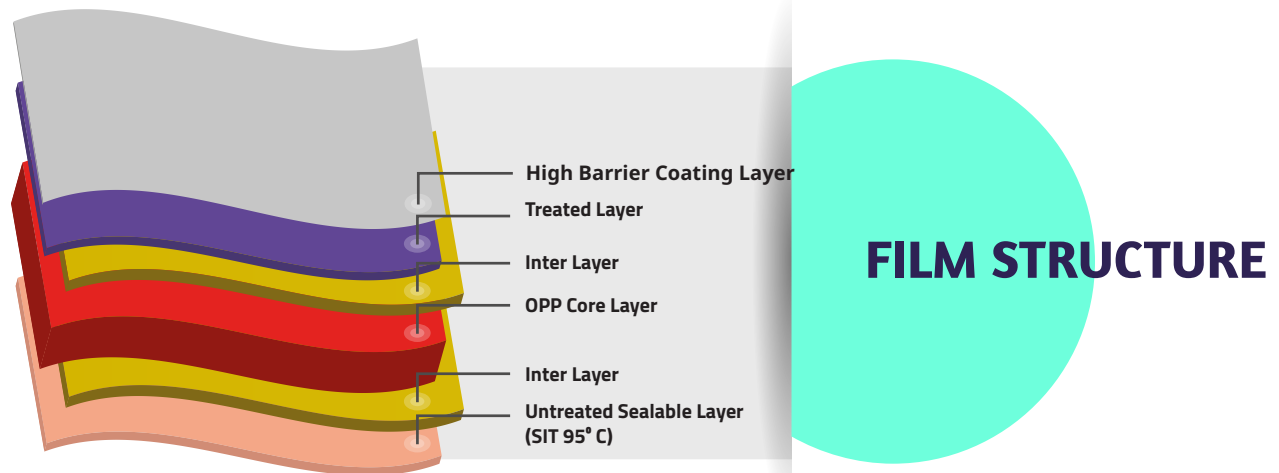


## B-TGM

### Outstanding Oxygen Barrier Transparent BOPP Film

B-TGM is a transparent coated BOPP film. It is one side high barrier coating with outstanding oxygen & good moisture barrier properties and other side low heat sealable untreated film.



## THE BIG DIFFERENTIATORS



### Excellent High Barrier

Good barrier against oxygen, moisture and aroma to extend shelf life of product.



### Excellent Optics

Excellent Clarity and product visibility. Unique opportunity for brands to differentiate on clear film laminate.



### Enhanced Seal Functionality

Low SIT, excellent broad & high hot tack, optimal hermetic seal designed to substantially improve productivity & operating efficiency at FFS m/c.



### Good Resistance To Mineral Oil

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



### Chlorine Free Solution

Environment friendly & non-carcinogenic.

## KEY FEATURES:

- Excellent oxygen and aroma barrier
- Good moisture barrier
- Excellent Optics
- Good seal functionality (SIT & Hot Tack)
- Requires priming for extrusion lamination

## APPLICATIONS:

- Dry fruits and Nuts
- Crisps & snacks packaging
- Crackers packaging

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES	
THICKNESS		Internal	Micron	19	21
			(Gauge)	76	84
FILM DENSITY		D-1505	gm/cc	0.91	
GRAMMAGE		Internal	gm/m <sup>2</sup>	17.3	19.1
YIELD		Internal	m <sup>2</sup> /kg	57.8	52.3
			in <sup>2</sup> /lb	40633	36766
TREATMENT LEVEL (PVOH Coated side)		D-2578	dyne/cm	56	
HAZE		D-1003	%	3.0	
GLOSS (at 45°)		D-2457	Unit	85	85
TENSILE STRENGTH AT BREAK	MD*	D-882	kg/cm <sup>2</sup>	1200	
	TD*			2500	
	MD*		(KPsi)	17.0	
	TD*			35.5	
ELONGATION AT BREAK	MD*	D-882	%	200	
	TD*			60	
LINEAR SHRINKAGE (max) (5 Minutes at 130° C)	MD*	D-1204	%	6.0	
	TD*			3.0	
HEAT SEAL INITIATION TEMPERATURE		Internal	°C	95	
HEAT SEAL STRENGTH	(Min.)	Internal	gm/25mm	375	400
WATER VAPOUR TRANSMISSION RATE (38° C & 90% RH)		F-1249	gm/m <sup>2</sup> /day	< 4.8	
			(gm/100 in <sup>2</sup> /day)	< 0.30	
OXYGEN TRANSMISSION RATE (23° C & 0% RH)		D-3985	cc/m <sup>2</sup> /day	< 0.28	
			(cc/100 in <sup>2</sup> /day)	< 0.018	
AVAILABLE WIDTH	(Max.)	-	mm	1250	

Ref no QAD UFLI S/22 – B52/1

\*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 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 09-09-2022. All previous version of this grade are invalid.

**FlexFilms**

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