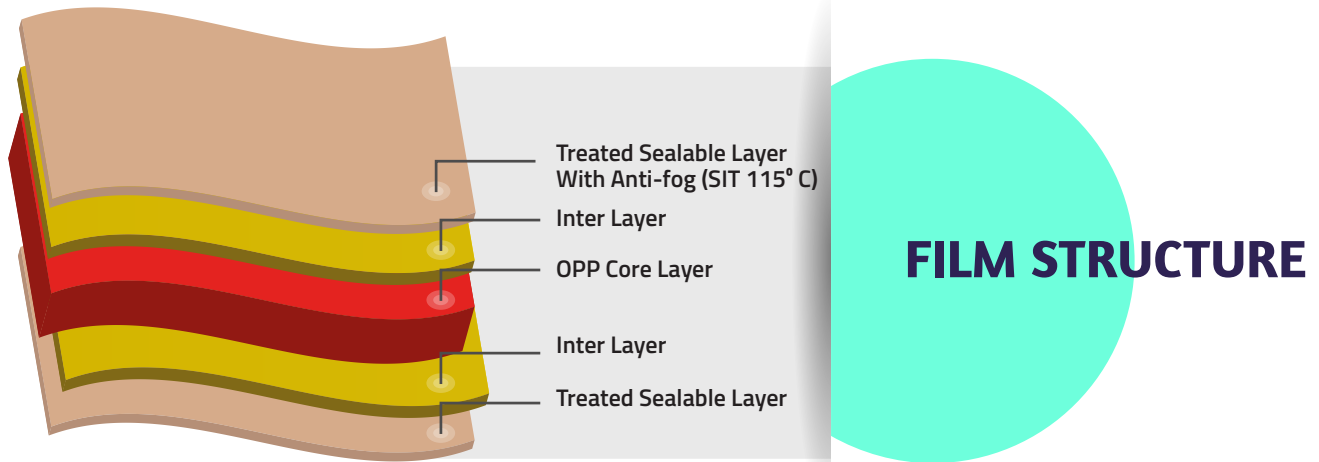


# B-TAF

## Transparent Anti-fog BOPP Film

B-TAF is a novel designed anti-fog (both cold & hot) sealable treated layer one side and other side treated heat sealable.



## THE BIG DIFFERENTIATORS



### Excellent Anti-fog Performance

Novel anti-fog chemistry for durable & long-lasting anti-fog properties both in cold & hot applications.



### Superior Product Visibility

Antimist prevents condensation and ensures excellent product visibility.



### Better Optics

Finer print images.



### Good Antistatic & Slip

High performance on FFS m/c with minimal wastage.



### Good Machinability

Excellent runnability.

## KEY FEATURES:

- Good anti-fog functionality
- Good optics
- Good seal performance
- Good machinability

## APPLICATIONS:

- Hot & cold anti-fog application
- Fresh food & vegetables packaging

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES				
THICKNESS		Internal	Micron	20	25	30	35	40
			(Gauge)	80	100	120	140	160
FILM DENSITY		D-1505	gm/cc	0.91				
GRAMMAGE		Internal	gm/m <sup>2</sup>	18.2	22.7	27.3	31.8	36.4
YIELD		Internal	m <sup>2</sup> /kg	54.9	44.0	36.6	31.4	27.5
			in <sup>2</sup> /lb	38594	30932	25730	22074	19332
TREATMENT LEVEL		D-2578	dyne/cm	38				
COEFF OF FRICTION	DYNAMIC	D-1894	-	0.28±0.05				
HAZE		D-1003	%	2.8	3.0	3.2	3.4	3.5
GLOSS (at 45°)		D-2457	Unit	85	85	85	84	82
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	%	220				
	TD*			60				
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	275	300	325	350	375
WATER VAPOUR TRANSMISSION RATE (38°C & 90% RH)		F-1249	gm/m <sup>2</sup> /day	6.5	6.0	5.7	5.5	5.0
			(gm/100 in <sup>2</sup> /day)	0.42	0.39	0.37	0.35	0.30
OXYGEN TRANSMISSION RATE (23°C & 0% RH)		D-3985	cc/m <sup>2</sup> /day	1800	1700	1600	1500	1300
			(cc/100 in <sup>2</sup> /day)	116	110	103	97	84
ANTI-FOG TEST		Internal	Rating (A to E)	D (Good)	D (Good)	D (Good)	D (Good)	D (Good)

Ref no QAD UFLI S/14 - B20/3

\*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 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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