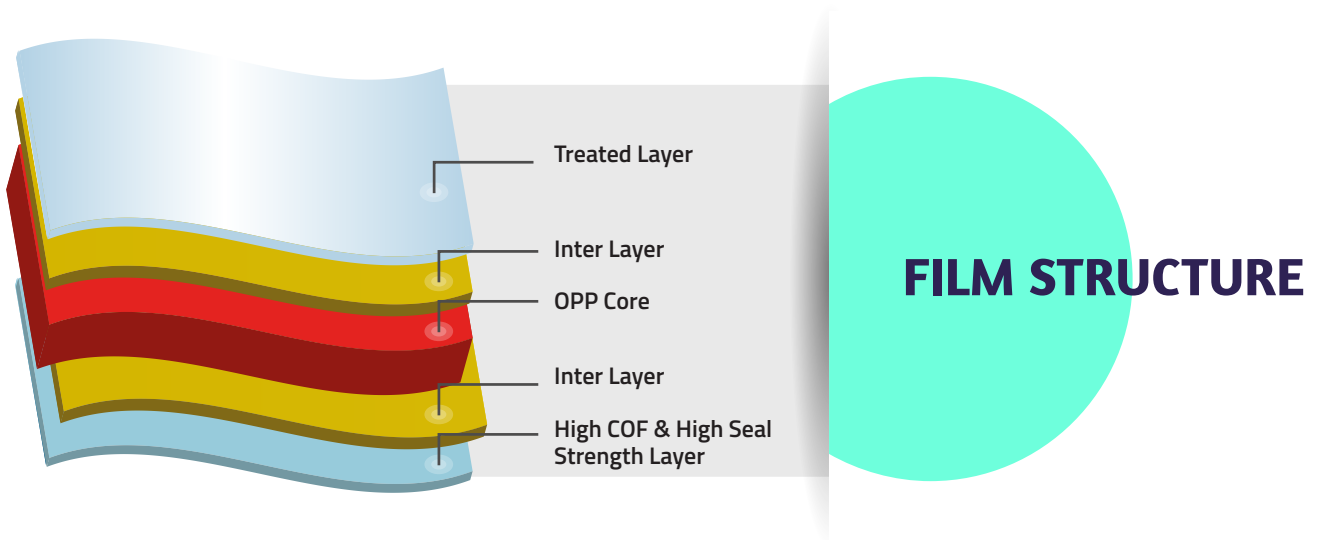


## B-TFF

### High COF & High Seal Strength Transparent Heat Sealable BOPP Film

B-TFF is heat sealable film having consistently high COF with high seal strength (for pinch bottom seal by hot air) on sealing side and treated other side for good printability.



## THE BIG DIFFERENTIATORS



### Extended Shelf Life

Hot air-sealed contamination free, leakproof bags that enhance shelf life of packed products.



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

Superior lap seal strength that aids making leakproof heavy duty bags.



### Fine Printability

Excellent halftone dot transfer.



### Consistently High COF with Antiskid Functionality

Excellent pallet stability of bulk packs.



### Good Bond

Improved ink adhesion & stronger lamination bond.

## KEY FEATURES:

- Consistently high COF(>0.50)
- Excellent pinch bottom seal by hot air on pouching m/c
- No bag leakage
- Excellent printability
- Good extrusion bond
- Good dimensional stability

## APPLICATIONS:

- Pet foods & rice bags
- Heavy duty bags

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES		
THICKNESS		Internal	Micron	18	20	25
			(Gauge)	72	80	100
FILM DENSITY		D-1505	gm/cc	0.91		
GRAMMAGE		Internal	gm/m <sup>2</sup>	16.4	18.2	22.7
YIELD		Internal	m <sup>2</sup> /kg	61.1	54.9	44.0
			in <sup>2</sup> /lb	42953	38594	30932
TREATMENT LEVEL		D-2578	dyne/cm	38		
COEFF OF FRICTION (Min)	DYNAMIC	D-1894	-	0.50		
HAZE		D-1003	%	2.5	2.8	3.0
GLOSS (at 45°)		D-2457	Unit	84	82	80
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	85		
HEAT SEAL STRENGTH	(Min.)	Internal	gm/25mm	475	500	525
WATER VAPOUR TRANSMISSION RATE (38°C & 90% RH)		F-1249	gm/m <sup>2</sup> /day	6.8	6.5	6.0
			(gm/100 in <sup>2</sup> /day)	0.44	0.42	0.39
OXYGEN TRANSMISSION RATE (23°C & 0% RH)		D-3985	cc/m <sup>2</sup> /day	1800	1800	1700
			(cc/100 in <sup>2</sup> /day)	116	116	110

Ref no QAD UFLI S/20 – B 25/1

\*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 01-04-2020. All previous version of this grade are invalid.

**FlexFilms**

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