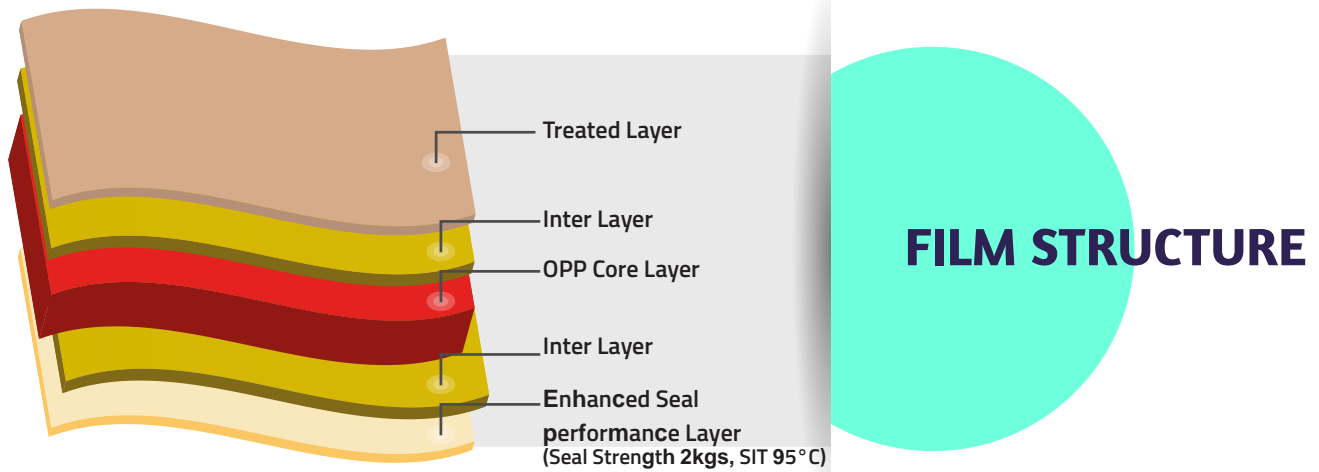


## B-TSS

### Robust Seal Performance Transparent Heat Sealable BOPP Film

B-TSS is a transparent film with exceptionally high seal strength combined with hermetic seal, high & broad hot tack and low SIT.



## THE BIG DIFFERENTIATORS



### Good Bond

Improved ink adhesion & stronger lamination bond.



### Robust Seal Performance

Excellent runnability at high speed HFFS m/c with good operating efficiency (minimal wastage & downtime).



### OTM (Over The Mountain) Attribute

Sustainable good sealing performance at high altitude attributing no pack leakage.



### Good Antistatic & Slip

High performance on HFFS & VFFS m/c with minimal wastage.



### Unique Value Proposition

To replace 3 layer structures to 2 layers in numerous seal packaging formats especially multipacks.

## KEY FEATURES:

- Robust seal performance (Hermetic seal, high seal strength, excellent hot tack)
- Good optics
- Good printability
- Consistent slip & antistatic

## APPLICATIONS:

- Specially Designed for Over The Mountain applications for
- Chips & snacks &
- Biscuits, cookies & crackers
- Confectionery packaging
- Good Value Proposition for multipack

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES				
THICKNESS		Internal	Micron	25	30	35	40	50
			(Gauge)	100	120	140	160	200
FILM DENSITY		D-1505	gm/cc	0.91				
GRAMMAGE		Internal	gm/m <sup>2</sup>	22.7	27.3	31.8	36.4	45.5
YIELD		Internal	m <sup>2</sup> /kg	44.0	36.6	31.4	27.5	22
			in <sup>2</sup> /lb	30932	25730	22074	19332	15466
TREATMENT LEVEL		D-2578	dyne/cm	38				
COEFF OF FRICTION (UTR/UTR)	DYNAMIC	D-1894	-	0.28 ± 0.10				
HAZE		D-1003	%	3.0	3.2	3.4	3.6	4.0
GLOSS (at 45°)		D-2457	Unit	82	80	78	76	76
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	2000	2000	2000	2000	2000
WATER VAPOUR TRANSMISSION RATE (38°C & 90% RH)		F-1249	gm/m <sup>2</sup> /day	6.5	6.3	6.0	5.7	5.5
			(gm/100 in <sup>2</sup> /day)	0.42	0.41	0.39	0.37	0.35
OXYGEN TRANSMISSION RATE (23°C & 0% RH)		D-3985	cc/m <sup>2</sup> /day	1800	1700	1700	1600	1500
			(cc/100 in <sup>2</sup> /day)	116	110	110	103	97

Ref no QAD UFLI 5/17 – B 49/2

\*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 01-04-2025. All previous versions of this grade are invalid.

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