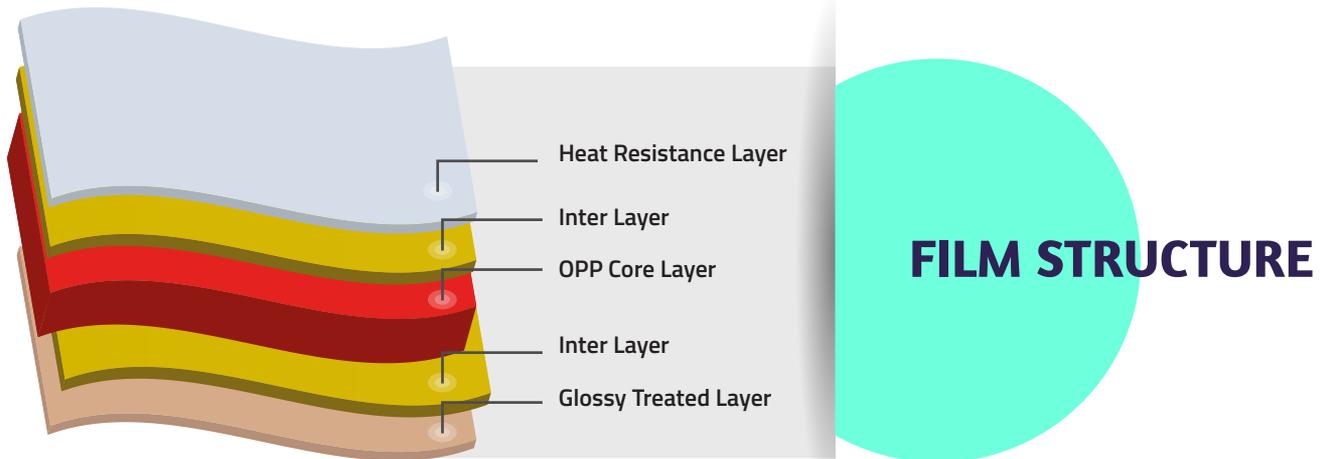


B-THB

Transparent High Heat Resistance BOPP Film With Exceptional Oxygen Barrier

B-THB is a functionally modified with high heat resistance surface with exceptional Oxygen Barrier. Sustainable packaging solution for mono- material structure /recyclable. Replacement of conventional BOPET film.



THE BIG DIFFERENTIATORS

Sustainable & Recyclable Solution

Sustainable packaging solution for mono- material structure/ recyclable. Replacement of conventional BOPET film Unique esthetic for product differentiation.

High Heat Resistance

Good heat resistance, that's imperative for stand-up & gusseted pouch applications.

Optimized Jaw Release

Enables high speed operation.

Exceptional Oxygen Barrier

The film having exceptional Oxygen barrier comparable to conventional BOPET film.

Strong Bonds

Improved ink adhesion & stronger lamination bond.

KEY FEATURES:

- Exceptional oxygen barrier (120 cc/m²/day)
- Good Jaw release property
- Good seal finishing In stand up pouch & 3D bags
- Inside/Bottom gusseted film will not seal to itself
- Good optics
- Good machinability
- Sustainable and recyclable solution high heat resistance(SIT>150°C)

APPLICATIONS:

- Chips & snacks packaging
- Biscuits, cookies & crackers packaging
- Confectionery & chocolate packaging
- Stand Up Pouches
- 3 D Pouches
- Can replace conventional PET

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES	
THICKNESS		Internal	Micron	18	20
			(Gauge)	72	80
FILM DENSITY		D-1505	gm/cc	0.91	
GRAMMAGE		Internal	gm/m ²	16.4	18.2
YIELD		Internal	m ² /kg	61.1	54.9
			in ² /lb	42953	38594
TREATMENT LEVEL	TR Side	D-2578	dyne/cm	38	
	HR Side			36	
COEFF OF FRICTION	Dynamic	D-1894	-	0.25±0.05	
HAZE		D-1003	%	2.2	2.5
GLOSS (at 45°)		D-2457	Unit	95	92
TENSILE STRENGTH AT BREAK	MD*	D-882	kg/cm ²	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	
WATER VAPOUR TRANSMISSION RATE (38°C & 90% RH)		F-1249	gm/m ² /day	8.0	7.5
			(gm/100 in ² /day)	0.51	0.48
OXYGEN TRANSMISSION RATE (23°C & 0% RH)		D-3985	cc/m ² /day	120	110
			(cc/100 in ² /day)	7.7	7.1

Ref no QAD UFLI S/20 – B 43/1

*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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