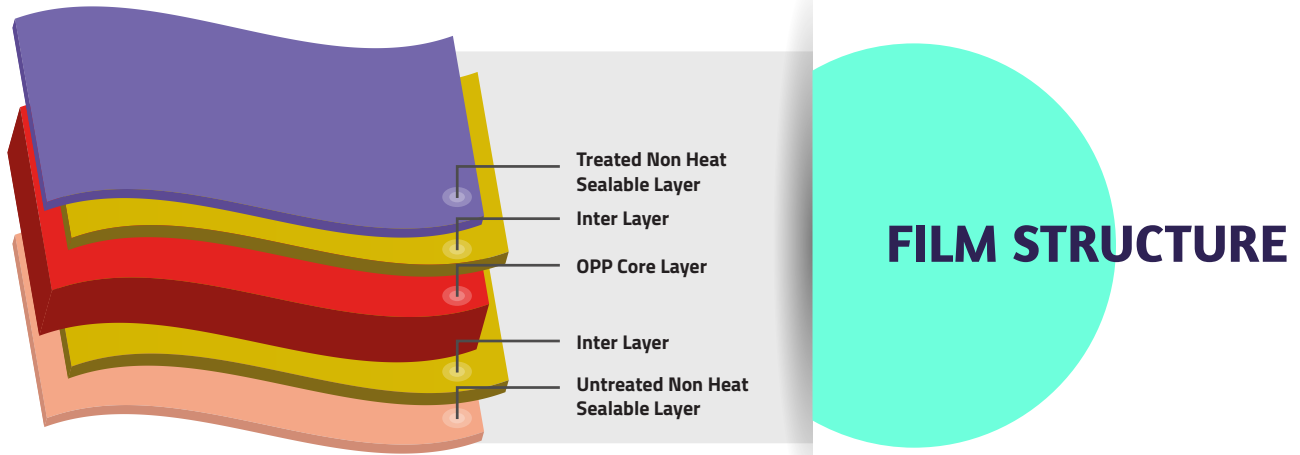


B-TNP

Standard One Side Treated Non Sealable Bopp Film

B-TNP is a co extruded non sealable film with one side corona treatment.



THE BIG DIFFERENTIATORS



Good Ink Adhesion

High performance printability.



Fine Printability

Good Half-tone dot transfer.



Good Machinability

Highly productive Performance with minimum wastage.



Good Print Registration

Good print repeatability.



Good Optics

High quality Images.

KEY FEATURES:

- Good Printability
- Good gloss & clarity
- Controlled slip & antistatic
- Good dimensional stability

APPLICATIONS:

- Bakery (biscuit, cookie, crackers)
- Snacks
- Confectionary

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES									
THICKNESS		Internal	Micron	10	12	15	18	20	25	30	40	48	50
			(Gauge)	40	48	60	72	80	100	120	160	192	200
FILM DENSITY		D-1505	gm/cc	0.91									
GRAMMAGE		Internal	gm/m ²	9.1	10.9	13.7	16.4	18.2	22.7	27.3	39.4	43.7	45.5
YIELD		Internal	m ² /kg	109.9	91.7	73.1	61.1	54.9	44.0	36.6	27.5	22.9	22.0
			in ² /lb	77259	64465	51389	42953	38594	30932	25730	19332	16098	15466
TREATMENT LEVEL		D-2578	dyne/cm	38									
COEFF OF FRICTION (UTR/UTR)	Dynamic	D-1894	-	0.30±0.05									
HAZE		D-1003	%	1.5	1.6	1.6	1.6	1.6	1.7	1.8	2.0	2.2	2.2
GLOSS (at 45°)		D-2457	Unit	98	98	96	96	96	95	95	92	92	92
TENSILE STRENGTH AT BREAK	MD*	D-882	kg/cm ²	1250									
	TD*			2500									
	MD*		(KPsi)	17.8									
	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	7.6	7.4	7.0	6.8	6.5	6.0	5.7	5.0	4.5	4.5
			(gm/100 in ² /day)	0.49	0.48	0.45	0.44	0.42	0.39	0.37	0.32	0.29	0.29
OXYGEN TRANSMISSION RATE (23°C & 0% RH)		D-3985	cc/m ² /day	2400	2300	2000	1800	1800	1700	1600	1300	1200	1200
			(cc/100 in ² /day)	155	148	129	116	116	110	103	84	77	77

Ref no QAD UFLI S/14- B 1/3

*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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