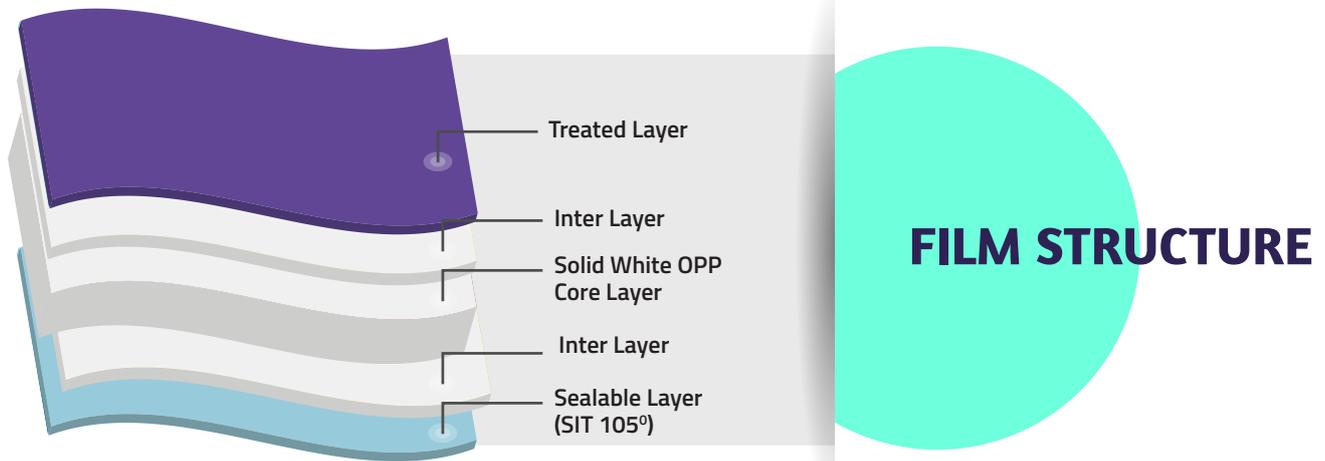


B-WHL Solid White BOPP Film

B-WHL is a solid white film with both side standard heat sealability & one side treated.



THE BIG DIFFERENTIATORS



High Opacity & Whiteness Index

Elegant prints with appealing graphics.



Enhanced Resistance To UV Light

White film protects products from discoloration with its high refractive index.



High Gloss

High quality images.



Good Antistatic & Slip

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



Improved Heat Resistance

Facilitates running on high speed FFS.

KEY FEATURES:

- Good opacity & gloss
- Good whiteness
- Good antistatic & slip
- Good seal functionality

APPLICATIONS:

- Bakery (biscuits, cookies & crackers)
- Chips & snacks
- Confectionary
- Biscuit bundle wrap

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES						
THICKNESS		Internal	Micron	15	18	20	25	30	35	40
			(Gauge)	60	72	80	100	120	140	160
FILM DENSITY		D-1505	gm/cc	0.95						
GRAMMAGE		Internal	gm/m ²	14.2	17.1	19.0	23.8	28.5	33.2	38.0
YIELD		Internal	m ² /kg	70.4	58.5	52.6	42.0	35.1	30.1	26.3
			in ² /lb	49491	41125	36978	29526	24675	21160	18489
TREATMENT LEVEL		D-2578	dyne/cm	38						
COEFF OF FRICTION (UTR/UTR)	DYNAMIC	D-1894	-	0.30 ± 0.05						
TRANSMITTANCE		D-1003	%	45	42	42	40	38	36	34
GLOSS (at 45°)		D-2457	Unit	55	55	55	50	50	50	50
TENSILE STRENGTH AT BREAK	MD*	D-882	kg/cm ²	1100						
	TD*			2100						
	MD*		(KPsi)	15.6						
	TD*			29.9						
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	105						
HEAT SEAL STRENGTH	(Min.)	Internal	gm/25mm	250	275	300	325	350	375	400
WATER VAPOUR TRANSMISSION RATE (38°C & 90% RH)		F-1249	gm/m ² /day	8	7.5	7	6	5	4	3.5
			(gm/100 in ² /day)	0.52	0.48	0.45	0.39	0.32	0.26	0.23
OXYGEN TRANSMISSION RATE (23°C & 0% RH)		D-3985	cc/m ² /day	2400	2200	2200	2000	1900	1800	1750
			(cc/100 in ² /day)	155	142	142	129	123	116	110

Ref no QAD UFLI 5/14 - B 32/3

*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 versions of this grade are invalid.

FlexFilms

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