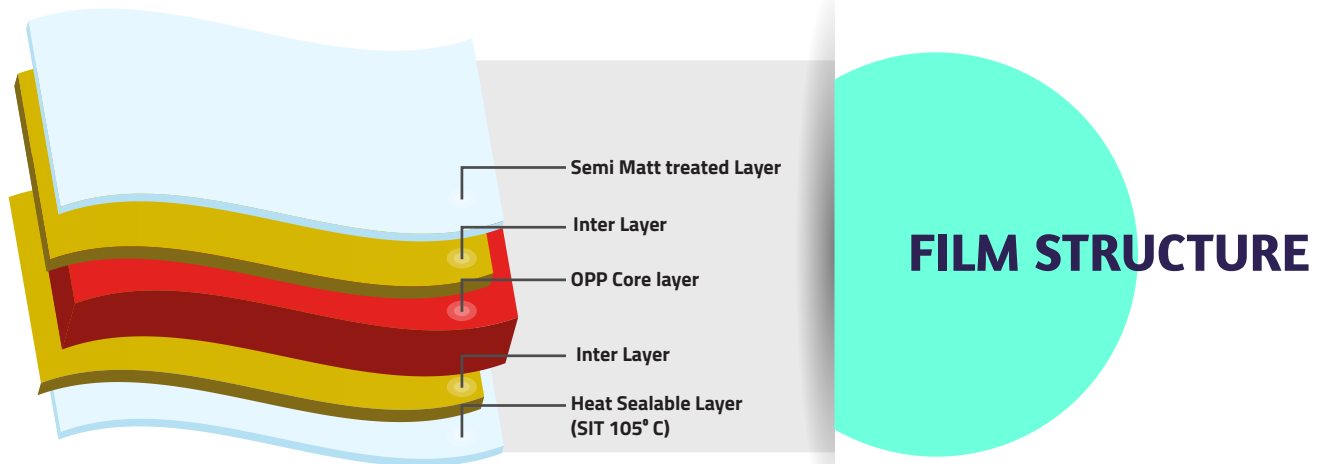


B-TSM

Semi Matt BOPP Film

B-TSM is a co-extruded semi matt film with both side heat sealability & one side treated film.



THE BIG DIFFERENTIATORS



Silky Matt
Unique esthetic for product differentiation.



Good Antistatic & Slip
Highly productive performance.



Optimized Seal Functionality
Improved lap seal strength.



Good Machinability
Highly productive performance with minimum wastage.



Good Hot Slip
Good runnability at high speed general over wrap m/c.

KEY FEATURES:

- Silky aesthetic
- Good antistatic & slip
- Good printability
- Good machinability

APPLICATIONS:

- Inner soap overwrap

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES
THICKNESS		Internal	Micron	25
			(Gauge)	100
FILM DENSITY		D-1505	gm/cc	0.91
GRAMMAGE		Internal	gm/m ²	22.7
YIELD		Internal	m ² /kg	44.0
			in ² /lb	30932
TREATMENT LEVEL		D-2578	dyne/cm	38
COEFF OF FRICTION (UTR/UTR)	Dynamic	D-1894	-	0.30±0.05
HAZE		D-1003	%	30
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	%	160
	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	410
WATER VAPOUR TRANSMISSION RATE (38° C & 90% RH)		F-1249	gm/m ² /day	6.0
			(gm/100 in ² /day)	0.39
OXYGEN TRANSMISSION RATE (23° C & 0% RH)		D-3985	cc/m ² /day	1700
			(cc/100 in ² /day)	110

Ref no QAD UFLI S/14 – B 30/3

*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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