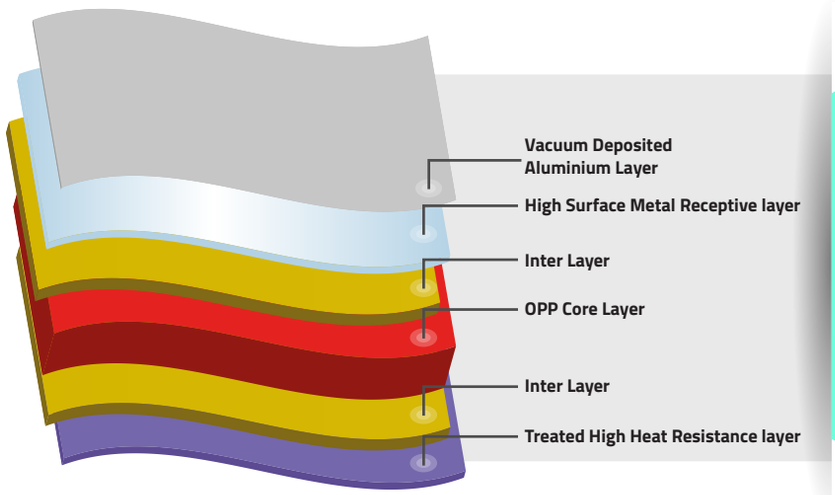
B-TUS-M

High Barrier & High Heat Resistance Sandwich Grade Bopp Film

B-TUS-M is high barrier & high heat resistance both side treated metalized BOPP film for sandwich lamination.



FILM STRUCTURE

THE BIG DIFFERENTIATORS

Excellent Metal Bond & Metal Cracking Resistance
Durability & sustainability of barrier under extreme conditions. Enhanced extrusion/adhesive bond strengths.

Good Heat Resistance
High Performance with sustainable barrier specially for tea bags liners.

Good Sandwich Bond
Better performance on high speed.

Good Metal Bond
Very good extrusion/adhesive bonds resulting in barriers that last longer.

High Barrier Values
Improves shelf life of chips/snacks by 10% retaining natural freshness , crispness & aroma.

KEY FEATURES:

- Excellent machinability
- Superior barrier properties
- Improved metal adhesion

APPLICATIONS:

- Sandwich lamination for tea liners

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES		
THICKNESS		Internal	Micron	15	18	20
			(Gauge)	60	72	80
FILM DENSITY		D-1505	gm/cc	0.91		
GRAMMAGE		Internal	gm/m^2	13.7	16.4	18.2
YIELD		Internal	m^2/kg	73.1	61.1	54.9
			in^2/lb	51389	42953	38594
TREATMENT LEVEL		D-2578	dyne/cm	36		
OPTICAL DENSITY (TOLERANCE : +/- 5%)			-	2.8		
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	$gm/m^2/day$	0.1	0.1	0.1
			(gm/100 in^2/day)	0.006	0.006	0.006
OXYGEN TRANSMISSION RATE (23° C & 0% RH)		D-3985	$cc/m^2/day$	20	20	20
			(cc/100 in^2/day)	1.3	1.3	1.3

Ref no QAD UFLI S/20 - MB 4/1
*MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION

STORAGE & HANDLING

FLEXMETPROTECT™ 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. FLEXMETPROTECT™ is best suitable for use within 3 months from date of dispatch.

FOOD CONTACT

FLEXMETPROTECT™ complies with EC and FDA regulations. Specific document and MSDS are available on request.

DISCLAIMER

**TDS issued on 01-04-2020.All previous version of this grade are invalid.

FlexFilms
Manufacturing Facilities at
India | UAE | Poland | Egypt | Mexico |
USA | Hungary | Russia | Nigeria
enquiry@flexfilm.com
www.flexfilm.com