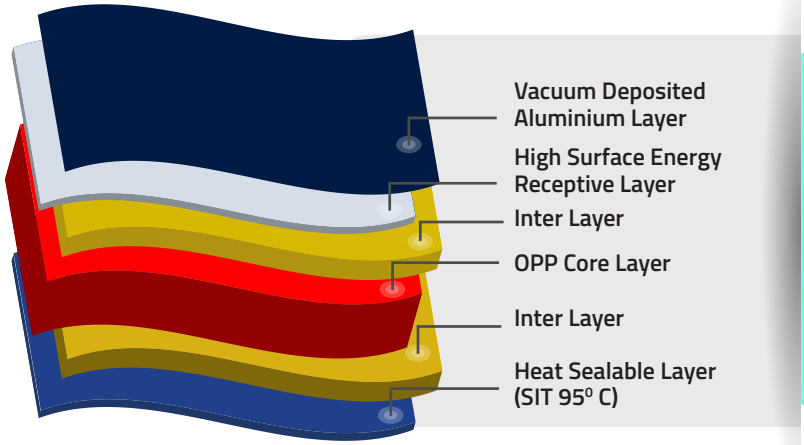
B-AVS-IB-M

Superior Barrier Metallized BOPP Film

B-AVS-IB-M is a superior barriers (Oxygen, Moisture & Aroma) metallized film with excellent metal bond & sealing functionality (low SIT & high hot tack).

FILM STRUCTURE



THE BIG DIFFERENTIATORS

Excellent Oxygen, Moisture & Aroma Barriers
Improve shelf life of chips/snacks by 35% retaining classical freshness & crispness.

Enhaced Seal Functionality
Very low SIT, excellent broad & high hot tack, optimal hermetic seal designed to substantially improve productivity & operating efficiency at FFS m/c.

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

Excellent Metal Gloss
Enhanced graphics & images.

Optimal COF
Excellent runnability at high speed both during the lamination process as well as on FFS m/c.

KEY FEATURES:

- Outstanding oxygen barrier
- Outstanding moisture barrier
- Excellent metal adhesion due to ultra high surface energy base film
- Excellent extrusion bond & metal cracking resistance
- Good seal functionality (SIT & Hot Tack)

APPLICATIONS:

- Chips & snacks
- Bakery (biscuits/cookie/crackers)
- Confectionery & cereals

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/m²	16.4	18.2
YIELD		Internal	m²/kg	61.1	54.9
			in²/lb	42953	38594
TREATMENT LEVEL		D-2578	dyne/cm	36	
OPTICAL DENSITY (TOLERANCE: +/- 5%)		Internal	-	2.5	
TENSILE STRENGTH AT BREAK	MD*	D-882	kg/cm²	1200	
	TD*			2500	
	MD*		(KPsi)	17.0	
	TD*			35.5	
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	95	
HEAT SEAL STRENGTH	(Min)	Internal	gm/25mm	400	
WATER VAPOUR TRANSMISSION RATE (38° C & 90% RH)		F-1249	gm/m²/day	0.1	
			(gm/100 in²/day)	0.006	
OXYGEN TRANSMISSION RATE (23° C & 0% RH)		D-3985	cc/m²/day	8	
			(cc/100 in²/day)	0.52	

Ref no QAD UFLI S/20 – MB 11/1
*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 an 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