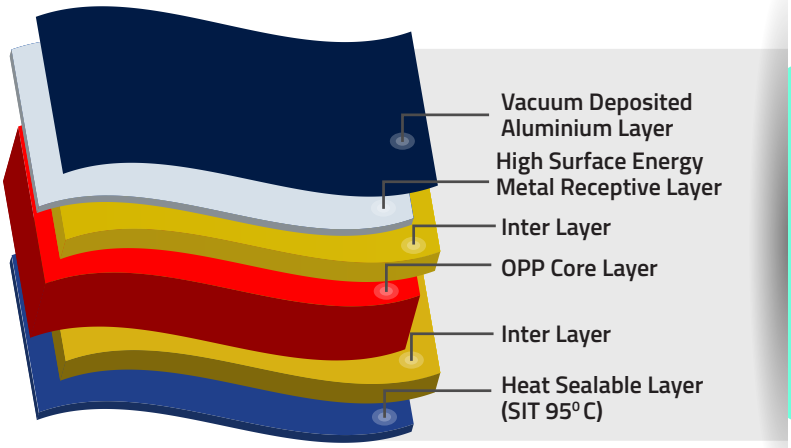
B-TUH-M

High Barrier & Robust Seal Metallized BOPP Film

TUH-M is a high oxygen & moisture barrier metallized film with robust seal performance (high seal strength, hermetic seal, high & broad hot tack, low SIT).



FILM STRUCTURE

THE BIG DIFFERENTIATORS

Excellent Oxygen & Moisture Barriers
Improves shelf life of chips/snacks by 25%, retaining classical freshness, crispness.

Robust Seal Performance
Low SIT, excellent broad & high hot tack, good hermetic seal & high seal strength.

OTM (Over The Mountain) Attribute
Sustainable good sealing performance at high altitude attributing no pack leakage.

Good Metal Bond
Very good extrusion/adhesive bond resulting durable barriers.

Unique Value Proposition
To replace 3 layer structures to 2 layers in numerous seal packaging formats especially multipacks.

KEY FEATURES:

- Excellent oxygen barrier
- Outstanding moisture barrier
- Good metal adhesion & brilliance
- Good extrusion bond & metal cracking
- Robust seal performance (Hermetic seal, high seal strength, excellent hot tack)

APPLICATIONS:

- Biscuits, bakery & snacks
- Especially designed LUP & MUP packs

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	36
OPTICAL DENSITY (TOLERANCE: +/- 5%)		Internal	-	2.6
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 130^0 C)	MD*	D-1204	%	6.0
	TD*			3.0
HEAT SEAL INITIATION TEMPERATURE		Internal	^{0}C	95
HEAT SEAL STRENGTH	(Min)	Internal	gm/25mm	1500
WATER VAPOUR TRANSMISSION RATE (38^0 C & 90% RH)		F-1249	gm/m^2/day	0.1
			(gm/100 in^2/day)	0.006
OXYGEN TRANSMISSION RATE (23^0 C & 0% RH)		D-3985	cc/m^2/day	20
			(cc/100 in^2/day)	1.3

Ref no QAD UFLI S/20 – MB 7/1
*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 26-02-2024. All previous versions of this grade are invalid.

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