

**Product Description:**

FLEX METPROTECT™ B-TV-B-M is a metallized BOPP film. It is one side metallized and other side corona treated film with Moderate Barrier properties.

Key Features:

Brilliant Metal Appearance
Good Barrier properties
Improved metal adhesion
Good Dimensional Stability

Applications:

Confectionary Packaging

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE			
			15	18	20	
OPTICAL DENSITY** (TOLERANCE : +/- 5%)		-	2.2	2.2	2.2	
THICKNESS	Internal	Micron (Gauge)	15 60	18 72	20 80	
FILM DENSITY	D-1505	gm/cc	0.91	0.91	0.91	
GRAMMAGE	Internal	gm/m ²	13.65	16.38	18.20	
YIELD	Internal	m ² /kg in ² /lb	73.26 51615	61.05 43012	55.49 39090	
TREATMENT LEVEL	D-2578	dyne/cm	36	36	36	
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm ² (Psi)	1200	1200	1200
	TD*			2500	2500	2500
	MD*			17000	17000	17000
	TD*			35500	35500	35500
ELONGATION AT BREAK	MD	D-882	%	180	190	200
	TD			60	60	60
MODULUS OF ELASTICITY	MD	D-882	Kg/cm ² (KPsi)	19125	20188	21250
	TD			30000	30000	30000
	MD			241.4	241.4	241.4
	TD			426	426	426
LINEAR SHRINKAGE (AT 130°C/5 Minute)	MD	D-1204	%	< 5.0		
	TD			< 3.0		
HEAT SEAL INITIATION TEMPERATURE	Internal		°C	105	105	105
HEAT SEAL STRENGTH	Internal		gm/25mm	375	400	410
W.V.T.R.(38°C & 90%RH)	F-1249		gm/m ² /day	0.50	0.45	0.40
			(gm/100in ² /day)	0.03	0.03	0.03
O.T.R. (23°C & 0%RH)	D-3985		cc/m ² /day	65	60	60
			(cc/100in ² /day)	4.1	3.8	3.8

** The film of high O.D. = 2.4 (Min.) is also available.

Ref no QAD UFLI S/17 - MB 5/2

*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 up to 3 months from date of dispatch.

FOOD CONTACT

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

DISCLAIMER

It is the responsibility of our customer to determine that their use of our product(s) is safe, lawful, and technically suitable in their intended applications. The Values given in the technical data sheet represent typical values based on the best of our knowledge as on date when the data was compiled. It 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 Gives no warranty or accept liability for any loss and fitness of the product for any specific purpose. Flex reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information.

**TDS issued on 16-02-2017. All previous version of this grade are invalid.

Website: www.flexfilm.com