

**Product Description:**

FLEX METPROTECT™ B-TVS-M is a heatsealable metallized film having superior barrier & Low SIT Broad Seal Performance.

Key Features:

Brilliant Metal Appearance
No Metal Cracking
Low SIT(<95°C)
High Hot Tack(>200 g/25mm)

Applications:

Biscuits/Cookies/Crackers
Confectionery
Snacks
Dry Food & Beverage Powder
Especially Designed for High Speed VFFS & HFFS Machines

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE			
			18	20		
OPTICAL DENSITY (TOLERANCE : +/- 5%)		-	2.2	2.2		
THICKNESS	Internal	Micron	18	20		
FILM DENSITY	D-1505	gm/cc	0.91	0.91		
GRAMMAGE	Internal	gm/m ²	16.38	18.2		
YIELD	Internal	m ² /kg	61.05	55.49		
TREATMENT LEVEL	D-2578	in ² /lb	43012	39090		
		dyne/cm	38	38		
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm ²	1250	1250	
	TD*			2550	2550	
	MD*			(Psi)	17800	17800
	TD*				36200	36200
ELONGATION AT BREAK	MD	D-882	%	220	220	
	TD			60	60	
	MD			18000	18000	
MODULUS OF ELASTICITY	TD	D-882	Kg/cm ²	32000	32000	
	MD			(KPsi)	255.6	255.6
	TD				454.4	454.4
LINEAR SHRINKAGE (Max.) (AT 130°C/5 Minute)	MD	D-1204	%	< 5.0		
	TD			< 3.0		
HEAT SEAL INITIATION TEMPERATURE	Internal		°C	95	95	
HEAT SEAL STRENGTH	Internal		gm/25mm	400	400	
W.V.T.R.(38°C & 90%RH)	F-1249		gm/m ² /day	0.5	0.5	
			(gm/100in ² /day)	0.03	0.03	
O.T.R. (23°C & 0%RH)	D-3985		cc/m ² /day	80	80	
			(cc/100in ² /day)	5.12	5.12	

Ref no QAD UFLI S/17 - MB 9/1

*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 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.

Website: www.flexfilm.com