

**Product Description:**

FLEX METPROTECT™ B-MVH-M is a matt finish metallized BOPP film having metal deposit on corona treated side and other side sealable.

**Key Features:**

High seal integrity  
 Good aesthetic appearance  
 Excellent hot tack properties  
 Superior Barrier Properties  
 Broad seal range  
 Good metal anchorage

**Applications:**

Packaging and Conversion  
 Decoration  
 Specialty type packaging  
 Label Application

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUE
				18
OPTICAL DENSITY** (TOLERANCE : +/- 5%)			-	2.2
THICKNESS		Internal	Micron (Gauge)	18 72
FILM DENSITY		D-1505	gm/cc	0.90
GRAMMAGE		Internal	gm/m <sup>2</sup>	16.20
YIELD		Internal	m <sup>2</sup> /kg in <sup>2</sup> /lb	61.73 43491
TREATMENT LEVEL		D-2578	dyne/cm	36
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm <sup>2</sup>	1100
	TD*			2200
	MD*		(Psi)	15600
	TD*			31200
ELONGATION AT BREAK	MD	D-882	%	160
	TD			60
	MD			16000
MODULUS OF ELASTICITY	TD	D-882	Kg/cm <sup>2</sup>	26000
	MD			227.2
	TD		(KPsi)	369.2
	MD			
LINEAR SHRINKAGE (AT 130°C/5 Minute)	MD	D-1204	%	< 5.0
	TD			< 3.0
HEAT SEAL INITIATION TEMPERATURE		Internal	°C	115
HEAT SEAL STRENGTH		Internal	gm/25mm	250
W.V.T.R.(38°C & 90%RH)		F-1249	gm/m <sup>2</sup> /day (gm/100in <sup>2</sup> /day)	<1.0 <0.06
O.T.R. (23°C & 0%RH)		D-3985	cc/m <sup>2</sup> /day (cc/100in <sup>2</sup> /day)	110 7.0

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

Ref no QAD UFLI S/14 - 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 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 11-02-2015.All previous version of this grade are invalid.

Website: [www.flexfilm.com](http://www.flexfilm.com)