

**Product Description:**

FLEXMETPROTECT™ F-LBP-M is a metallized polyester film having metallization on chemical coated side and other side untreated/corona treated.

Key Features:

High Metal Bond Strength
Excellent Machinability & handling properties
High thermal stability

Applications:

Liquid packaging/Aseptic packaging/Bag in Box packaging

FLEXMETPROTECT™ F-LBP-M grade of film is a metallized polyester film. This film has been specially designed to suit the key requirements for liquid packaging/Bag in Box packaging/Aseptic packaging applications. This film has high impact resistance, high thermal stability and abrasion resistance. It also offers high resistance to chemicals, plasticizers, microbes, high energy radiation and UV radiation. The bond between metal and film is 600 gm/25mm. It offers wide working temperature range and suitable for hot fill applications up to 100°C. This film is perfectly suited and highly recommended for Liquid packaging/Aseptic packaging/Bag in Box packaging applications.

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE
OPTICAL DENSITY (TOLERANCE : +/- 5%)		-	2.8
THICKNESS	Internal	Micron (Gauge)	12 48
FILM DENSITY	D-1505	gm/cc	1.4
GRAMMAGE	Internal	gm/m ²	16.8
YIELD	Internal	m ² /kg in ² /lb	59.52 41934
COEFF OF KINETIC FRICTION	D-1894	-	0.7
METAL WOUND			#MI/MO
TENSILE STRENGTH AT BREAK	MD*	Kg/cm ² (Psi)	1900
	TD*		2000
	MD*		27000
	TD*		28500
ELONGATION AT BREAK	MD	D-882	105
	TD		85
LINEAR SHRINKAGE (Max.) (AT 105°C/30 Minute)	MD	D-1204	1.5
	TD		0.6
W.V.T.R.(38°C & 90%RH)	F-1249	gm/m ² /day	0.4
		(gm/100in ² /day)	0.03
O.T.R. (23°C & 0%RH)	D-3985	cc/m ² /day	0.8
		(cc/100in ² /day)	0.05

Ref no QAD UFLI S/16 - MF/18/1

*MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION

MI = Metal wound inside, MO = Metal wound out side

STORAGE & HANDLING

FLEXMETPROTECT™ need to be stored in a closed warehouse and should not be exposed to direct sunlight or light sources and from humidity. It is recommended to store below 35° C in dry place.FLEXMETPROTECT™ is suitable for use within 6 months from date of manufacturing, only if stored in recommended condition.

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.

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Website: www.flexfilm.com