



FLEXMETPROTECT™ F-SBP-M

Technical Data Sheet

(METALLIZED POLYESTER FILM)

Product Description:

FLEXMETPROTECT™ F-SBP-M is a Super barrier metallized polyester film having metallization on one side and other side untreated or corona treated.

Key Features:

High Barrier Properties
Excellent Gloss
Excellent Machinability & handling properties

Applications:

Special high barrier application
Lamination
Decorative application
Flexible Packaging

FLEXMETPROTECT™ F-SBP-M grade of film is a super barrier metallized polyester films. The bond between the metal & film is $\geq 500\text{gm}/25\text{mm}$ with no metal transfer. Film is specially designed for Special high barrier application.

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE	
				12.3
OPTICAL DENSITY (TOLERANCE : +/- 5%)				2.5
THICKNESS	Internal	Micron (Gauge)		12.3 49.2
FILM DENSITY	D-1505	gm/cc		1.4
GRAMMAGE	Internal	gm/m ²		17.22
YIELD	Internal	m ² /kg in ² /lb		58.07 40910
COEFF OF KINETIC FRICTION	D-1894	-		0.7
METAL WOUND				MI/MO
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm ²	1900
	TD*			2000
	MD*		(Psi)	27000
	TD*			28500
ELONGATION AT BREAK	MD	D-882	%	100
	TD			85
LINEAR SHRINKAGE (Max.) (AT 105 ⁰ C/30 Minute)	MD	D-1204	%	1.5
	TD			0.6
W.V.T.R.(38 ⁰ C & 90%RH)	F-1249	gm/m ² /day (gm/100in ² /day)		<0.5 <0.032
O.T.R. (23 ⁰ C & 0%RH)	D-3985	cc/m ² /day (cc/100in ² /day)		<0.1 <0.006
AVAILABLE WIDTH (Max.)	-	mm		1250

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*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