



FLEXMETPROTECT™ F-WCH-M

Technical Data Sheet

(METALLIZED POLYESTER FILM)

Product Description:

FLEXMETPROTECT™ F-WCH-M is a White Opaque metallized polyester film having metallization on Chemical coated side and other side Untreated standard surface.

Key Features:

Very Good Aesthetic appearance
Good Stiffness

Applications:

Lamination & Conversion
Label application
Board Lamination
Confectionery & Snacks

FLEXMETPROTECT™ F-WCH-M grade of film is a White Opaque metallized polyester films. This grade of films have a White Opaque surface and thus gives a different aesthetic appeal of an Aluminum foil. It is available in optical density ranging from 1.4 to 3.0. The wide range of optical properties give choice to the customer to use the product for diverse range of applications. The metallization is available on plain side (MU) or on chemical side (MC), as specified by the customer. The bond between the metal & film is 100-150gm/25mm (when metallized on plain side) or >500 gms/25mm (when metallized on chemical coated side).

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE		
			12	23	
OPTICAL DENSITY** (TOLERANCE : +/- 5%) (*** Customer to specify the OD value as per their application)		-	SD	2.2 - Normal Packaging Application	
			HD	2.5 - Barrier Packaging Application	
			VHD	2.8 - High Barrier Application	
THICKNESS	Internal	Micron (Gauge)	12	23	
FILM DENSITY	D-1505	gm/cc	48	92	
GRAMMAGE	Internal	gm/m²	1.45	1.45	
YIELD	Internal	m²/kg	17.4	33.4	
		in²/lb	57.47	29.98	
COEFF OF KINETIC FRICTION	D-1894	-	40490	21122	
METAL WOUND			0.7	0.7	
			MI/MO	MI/MO	
TENSILE STRENGTH AT BREAK	MD*	Kg/cm²	1700	1600	
	TD*		2000	2000	
	MD*		24200	22700	
	TD*		28500	28500	
ELONGATION AT BREAK	MD	%	110	115	
	TD		80	80	
LINEAR SHRINKAGE (Max.) (AT 105 ⁰ C/30 Minute)	MD	%	1.5	1.5	
	TD		0.6	0.6	
W.V.T.R.(38⁰C & 90%RH)	F-1249	gm/m²/day	SD	HD	VHD
		(gm/100in²/day)	1.0	0.6	0.4
O.T.R. (23⁰C & 0%RH)	D-3985	cc/m²/day	0.06	0.04	0.03
		(cc/100in²/day)	1.1	1.0	0.8
			0.07	0.06	0.05

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*MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION

SD- Standard Density, HD - High Density, VHD - Very High Density

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

SD- Standard Optical Density

STORAGE & HANDLING

FLEXMETPROTECT™ need to be stocked 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