



FLEXMETPROTECT™ F-DPA-M

Technical Data Sheet

(METALLIZED POLYESTER FILM)

Product Description:

FLEXMETPROTECT™ F-DPA-M Polyester film having metal deposit layer on one side and other side untreated standard surface

Key Features:

Excellent mechanical properties
Good Barrier Properties
Excellent Machinability & handling properties

Application:

Dairy product Application

FLEXMETPROTECT™ F-DPA-M grade of metallised polyester film is available in optical density ranging from 1.4 to 3.0. The wide range of optical densities give choice to the customer to use the product for diverse range of applications. The metallization is available on plain side (MU) or on corona treated side (MT), as specified by the customer. The bond between the metal & film is 100-150 gm/25mm (when metallized on plain side) & 130-180 gm/25mm (when metallized on corona side).

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE		
			23	36	
OPTICAL DENSITY** (TOLERANCE : +/- 5%)	Gretag	-	SD HD VHD	2.2 - Normal Packaging Application 2.5 - High Barrier Application 2.8 - Special Application	
** Customer to specify the value of OD required based on the application.					
THICKNESS	Internal	Micron (Gauge)	23 92	36 144	
FILM DENSITY	D-1505	gm/cc	1.4	1.4	
GRAMMAGE	Internal	gm/m ²	32.2	50.4	
YIELD	Internal	m ² /kg in ² /lb	31.05 21876	19.84 13978	
COEFF OF KINETIC FRICTION	D-1894	-	0.7	0.7	
METAL WOUND			# MI/MO	# MI/MO	
TENSILE STRENGTH AT BREAK	MD*	Kg/cm ² (Psi)	2000	2000	
	TD*		2200	2200	
	MD*		28500	28500	
	TD*		31250	31250	
ELONGATION AT BREAK	MD	%	120	140	
	TD		110	130	
LINEAR SHRINKAGE (Max.) (AT 105°C/30 Minute)	MD	%	1.5		
	TD		0.6		
W.V.T.R.(38°C & 90%RH)	F-1249	gm/m ² /day (gm/100in ² /day)	SD	HD	VHD
			1.0	0.6	0.4
O.T.R. (23°C & 0%RH)	D-3985	cc/m ² /day (cc/100in ² /day)	0.06	0.04	0.03
			1.1	1.0	0.8
			0.07	0.06	0.05

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*MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION

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

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

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