

MATT METALLIZED POLYESTER FILMS (F-MAT-M)

APPLICATION: LAMINATION & CONVERSION APPLICATIONS

FLEXMETPROTECT™ F-MAT-M grade of films are matt metallized polyester films. This grade of films have a matt surface and thus gives a different aesthetic appeal of an Aluminium foil. It is available in optical density ranging from 2.0 to 2.6. The wide range of optical properties give choice to the customer to use the product for diverse range of applications.

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE			
			12	19	23	
OPTICAL	LD		2.0 - Board Lamination Application			
OPTICAL DENSITY** (TOLERANCE : +/- 5%)	ND		2.2 - Normal Packaging Application			
	MD	Gretag	2.4 - Barrier Packaging Application			
	HD		2.6 - High Barrier Application			
(** Customer to specify the value)						
GENERAL						
THICKNESS	Internal	Micron	12	19	23	
		(Gauge)	48	76	92	
FILM DENSITY	D-1505	gm/cc	1.4	1.4	1.4	
GRAMMAGE	Internal	gm/m ²	16.8	26.6	32.2	
YIELD	Internal	m ² /kg	59.52	37.59	31.05	
COEFF OF STATIC FRICTION METAL SIDE	(Max.)	D-1894	-	0.50	0.50	
			TI/TO	TI/TO	TI/TO	
MECHANICAL						
TENSILE STRENGTH AT BREAK (Min.)	MD*	D-882	Kg/cm ²	1900	1900	1900
	TD*			2000	2000	2000
	MD*	D-882	(Psi)	27000	27000	27000
	TD*			28400	28400	28400
ELONGATION AT BREAK	MD	D-882	%	105	120	125
	TD			95	95	95
THERMAL						
LINEAR SHRINKAGE (Max.) (AT 105 ⁰ C/30 Minute)	MD	D-1204	%	1.5	1.5	1.5
	TD			0.6	0.6	0.6
BARRIER PROPERTIES						
W.V.T.R.(38 ⁰ C & 90%RH)	F-1249	gm/m ² /day (gm/100in ² /day)	ND	MD	HD	VHD
			1.2	1.0	1.0	0.8
O.T.R. (23 ⁰ C & 0%RH)	D-3985	cc/m ² /day (cc/100in ² /day)	1.4	1.0	1.0	0.8
			0.09	0.06	0.06	0.05

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***MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION**

Information in this publication is believed to be accurate and is given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. Accordingly,UFlex gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law.UFlex reserves the right to change the technical data sheet at any time without prior information.



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