

**Product Description:**

FLEXMETPROTECT™ F-MSH-M is a super matt finish metallized polyester film having metallization on corona or Untreated side, It can be metallized on either side as per specified by the customer requirements.

Key Features:

Very Good Aesthetic appearance
Good Stiffness

Applications:

Lamination & Conversion
Confectionery & Snacks
2 or 3 ply lamination
Board Lamination & label application

FLEXMETPROTECT™ F-MSH-M grade of films are super matt metallized polyester films. This grade of films have a matt surface and thus gives a different aesthetic appeal of an Aluminum foil. It is available in optical density ranging from 2.0 to 2.8. 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 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 48	19 76	23 92
FILM DENSITY	D-1505	gm/cc	1.4	1.4	1.4
GRAMMAGE	Internal	gm/m²	16.8	26.6	32.2
YIELD	Internal	m²/kg	59.52	37.59	31.05
		in²/lb	41934	26483	21876
COEFF OF STATIC FRICTION METAL WOUND	D-1894	-	0.6	0.6	0.6
			# MI/MO	MI/MO	MI/MO
TENSILE STRENGTH AT BREAK	MD* TD*	Kg/cm²	1500 1900	1500 1900	1400 1900
	D-882	(Psi)	21400	21400	19900
	MD* TD*		27000	27000	27000
ELONGATION AT BREAK	MD TD	%	110 75	120 80	130 85
LINEAR SHRINKAGE (Max.) (AT 105°C/30 Minute)	MD TD	%	1.5 0.6	1.5 0.6	1.5 0.6
W.V.T.R.(38°C & 90%RH)	F-1249	gm/m²/day (gm/100in²/day)	SD 1.0 0.06	HD 0.6 0.04	VHD 0.4 0.03
O.T.R. (23°C & 0%RH)	D-3985	cc/m²/day (cc/100in²/day)	1.1 0.07	1.0 0.06	0.8 0.05

Ref no QAD UFLI S/15 - MF16/1

*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

****TDS issued on 11-02-2015.All previous version of this grade are invalid.**

Website: www.flexfilm.com