

**Product Description:**

FLEXMETPROTECT™ F-HSP-M is a metallized polyester having metallization on untreated side and other side heat sealable.

**Key Features:**

Sealable side seal to APET,CPET,PVC  
Very Good Barrier properties  
Excellent handling properties

**Applications :**

Tack seal application  
Single layer PET bags  
Food trays sealing

**FLEXMETPROTECT™ F-HSP-M** grade of film is metallized polyester film having improved barrier properties.

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE		
			12	15	23
OPTICAL DENSITY ( SD) (TOLERANCE : +/- 5%)		-		2.2	
THICKNESS	Internal	Micron (Gauge)	12 48	15 60	23 92
FILM DENSITY	D-1505	gm/cc	1.4	1.4	1.4
GRAMMAGE	Internal	gm/m <sup>2</sup>	16.8	21.4	32.2
YIELD	Internal	m <sup>2</sup> /kg in <sup>2</sup> /lb	59.52 41934	47.6 33550	31.05 21876
COEFF OF KINETIC FRICTION	D-1894	-	0.7		0.7
TENSILE STRENGTH AT BREAK	D-882	MD*	1700	1700	1600
		TD*	1900	1900	2000
		MD*	24200	24200	22700
		TD*	27000	27000	28500
ELONGATION AT BREAK	D-882	MD	115	115	120
		TD	85	85	90
LINEAR SHRINKAGE (Max.) (AT 105 <sup>0</sup> C/30 Minute)	D-1204	MD		1.5	
		TD		0.6	
W.V.T.R.(38 <sup>0</sup> C & 90%RH)	F-1249	gm/m <sup>2</sup> /day (gm/100in <sup>2</sup> /day)		1.0 0.06	
O.T.R. (23 <sup>0</sup> C & 0%RH)	D-3985	cc/m <sup>2</sup> /day (cc/100in <sup>2</sup> /day)		1.1 0.07	

Ref no QAD UFLI S/14 - MF 13/1

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

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

SD = Standard 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](http://www.flexfilm.com)