



## Technical Data Sheet

## (METALLIZED CPP FILM)

**Product Description:**

FLEX METPROTECT™ C-CPM-M is a metallized CPP film having metal deposit on corona treated side other side sealable.

**Key Features:**

Good seal Integrity  
 Good Barrier properties  
 Good hot tack  
 Good metal adhesion

**Applications:**

Lamination  
 Printing on metal side

**METALLIZED ON TREATED SIDE (MT) AND OPPOSITE SIDE HEAT SEALABLE WITH EXCELLENT BARRIER PROPERTIES (C-CPM-M)**

**APPLICATION: LAMINATION**

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE					
			20	22	25	30	35	50
OPTICAL DENSITY (TOLERANCE : +/- 5%)		-	2.2	2.2	2.2	2.2	2.2	2.2
THICKNESS	Internal	Micron (Gauge)	20 80	22 88	25 100	30 120	35 140	50 200
FILM DENSITY	D-1505	gm/cc	0.91	0.91	0.91	0.91	0.91	0.91
GRAMMAGE	Internal	gm/m <sup>2</sup>	18.2	20.02	22.75	27.30	31.85	45.50
YIELD	Internal	m <sup>2</sup> /kg in <sup>2</sup> /lb	54.95 38714	49.95 35192	43.96 30971	36.63 25807	31.40 22122	21.97 15486
TREATMENT LEVEL**	D-2578	dyne/cm	36	36	36	36	36	36
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm <sup>2</sup>  (Psi)	530	530	530	530	530
	TD*			240	240	240	240	240
	MD*			7500	7500	7500	7500	7500
	TD*			3400	3400	3400	3400	3400
ELONGATION AT BREAK	MD	D-882	%	450	450	450	450	450
	TD			600	600	600	600	600
HEAT SEAL INITIATION TEMPERATURE	Internal	°C	120	120	120	120	120	120
HEAT SEAL STRENGTH	Internal	gm/25mm	1700	1800	2000	2000	2300	2500
W.V.T.R.(38°C & 90%RH)	F-1249	gm/m <sup>2</sup> /day	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
		(gm/100in <sup>2</sup> /day)	<0.097	<0.097	<0.097	<0.097	<0.097	<0.097
O.T.R. (23°C & 0%RH)	D-3985	cc/m <sup>2</sup> /day	<150	<150	<150	<150	<150	<150
		(cc/100in <sup>2</sup> /day)	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7

Ref no QAD UFLI S/14 - MC 1/1

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

**STORAGE & HANDLING**

FLEXMETPROTECT™ does not require special storage conditions. It is recommended to storage below 30°C in order to avoid any deterioration of the film surface properties. It is advisable to use the material on FIFO basis. The film should be kept at operating environment for 24 hours before processing. FLEXMETPROTECT™ is best suitable for use up to 3 months from date of dispatch.

**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)