

**Technical Data Sheet****(METALLIZED CPP FILM)****Product Description:**

FLEX METPROTECT™ C-CEM-M is a metallized CPP film having improved metal bond strength and other side sealable.

**Key Features:**

High Metal Bond Strength  
 Excellent Barrier properties  
 Better Interlayer Bond  
 Good Metal Brilliance  
 Broad hot tack window

**Applications:**

Lamination(Solvent Less,Solvent Base & Extrusion)  
 High speed packaging on HFFS machine

METALLIZED ON TREATED SIDE (MT) WITH IMPROVED METAL BONMD STRENGTH & EXCELLENT BARRIER PROPERTIES (C-CEM-M)

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE			
			22	25	30	
OPTICAL DENSITY (TOLERANCE : +/- 5%)	Gretag	-	2.2	2.2	2.2	
THICKNESS	Internal	Micron	22	25	30	
		(Gauge)	88	100	120	
FILM DENSITY	D-1505	gm/cc	0.91	0.91	0.91	
GRAMMAGE	Internal	gm/m <sup>2</sup>	20.02	22.75	27.30	
YIELD	Internal	m <sup>2</sup> /kg	49.95	43.96	36.63	
		in <sup>2</sup> /lb	35192	30971	25807	
TREATMENT LEVEL	D-2578	dyne/cm	36	36	36	
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm <sup>2</sup>	750	800	850
	TD*			270	270	270
ELONGATION AT BREAK	MD	D-882	%	450	450	450
	TD			700	700	700
HEAT SEAL INITIATION TEMPERATURE	Internal		°C	112	112	112
HEAT SEAL STRENGTH	Internal		gm/25mm	1900	2200	2500
W.V.T.R.(38°C & 90%RH)	F-1249		gm/m <sup>2</sup> /day	0.8	0.8	0.7
O.T.R. (23°C & 0%RH)	D-3985		cc/m <sup>2</sup> /day	130	120	110

Ref no QAD UFLI S/17 - MC 3/1

\*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 16-02-2017.

Website: [www.flexfilm.com](http://www.flexfilm.com)