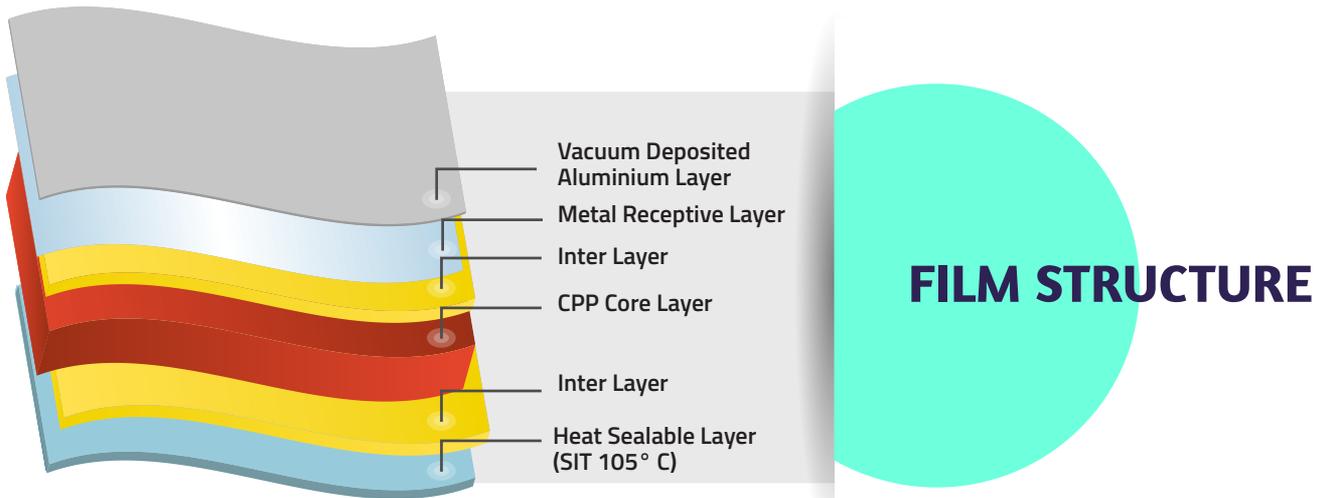


## C-CNM-M Metallized CPP Film With Low SIT

C-CNM-M is a metallized CPP film having metal deposit on corona treated side and functional sealing layer on other side with low SIT & Broad Hot Tack.



## THE BIG DIFFERENTIATORS

### Enhanced Seal Functionality

Low SIT with excellent broad & high hot tack, hermetic seal designed to substantially improve productivity & operating efficiency at FFS m/c. capable of Nitrogen flushing.

### Good Machinability

Excellent runnability.

### Good Metal Bond

Good extrusion/adhesive bonds resulting in barriers that last longer.

### Uniform Thickness

Good flatness during lamination.

### Optimal COF

Excellent runnability at high speed both during the lamination process as well as on FFS m/c.

## KEY FEATURES:

- Low SIT
- Excellent Hermeticity
- Broad hot tack
- Good metal adhesion
- Seal Through Contamination

## APPLICATIONS:

- Snacks & Biscuits
- Condiment Packaging
- High Speed Packaging On FFS Machine
- Specially Designed for Nitrogen Flushing Application

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES				
THICKNESS ± 5 %		Internal	Micron	20	22	25	30	35
			(Gauge)	80	88	100	120	140
FILM DENSITY		D-1505	gm/cc	0.91				
GRAMMAGE		Internal	gm/m <sup>2</sup>	18.2	20	22.7	27.3	31.8
YIELD		Internal	m <sup>2</sup> /kg	54.9	50	44.0	36.6	31.4
			in <sup>2</sup> /lb	38594	35150	30932	25730	22074
TREATMENT LEVEL		D-2578	dyne/cm	36				
OPTICAL DENSITY (TOLERANCE: +/- 5%)		Internal	-	2.2	2.2	2.2	2.2	2.2
TENSILE STRENGTH AT BREAK	MD*	D-882	kg/cm <sup>2</sup>	750				
	TD*			275				
	MD*		(KPsi)	10.7				
	TD*			3.9				
ELONGATION AT BREAK	MD*	D-882	%	500				
	TD*			800				
HEAT SEAL INITIATION TEMPERATURE		Internal	° C	105				
HEAT SEAL STRENGTH	(Min.)	Internal	gm/25mm	1800	2000	2400	2600	2800
WATER VAPOUR TRANSMISSION RATE (38°C & 90% RH)		F-1249	gm/m <sup>2</sup> /day	1.5	1.5	1.4	1.3	1.2
			(gm/100 in <sup>2</sup> /day)	0.097	0.097	0.09	0.084	0.08
OXYGEN TRANSMISSION RATE (23°C & 0% RH)		D-3985	cc/m <sup>2</sup> /day	150	150	140	130	120
			(cc/100 in <sup>2</sup> /day)	9.7	9.7	9	8.4	7.7

\*Ref no QAD UFLI S/17 - MC 5/2

\*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. It is a fact that Metallized films age with time and will exhibit deterioration in the surface treatment levels. A guarantee of the duration of the treatment on the metallized surface cannot therefore be given. In case of deterioration of surface treatment level, in line refreshment of corona treatment is recommended before processing of the material. The film should be kept at operating environment for 24 hours before processing. FLEXMETPROTECT™ is best suitable for use within 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 customers to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The values provided in the technical data sheet represent typical values based on the best of our knowledge as of the date when the data was compiled. The data 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 provides no warranty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheets. Flex reserves the right to change the technical data sheet at any time without prior notice.

\*\*TDS issued on 11-10-2023.All previous version of this grade are invalid.

**FlexFilms**

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