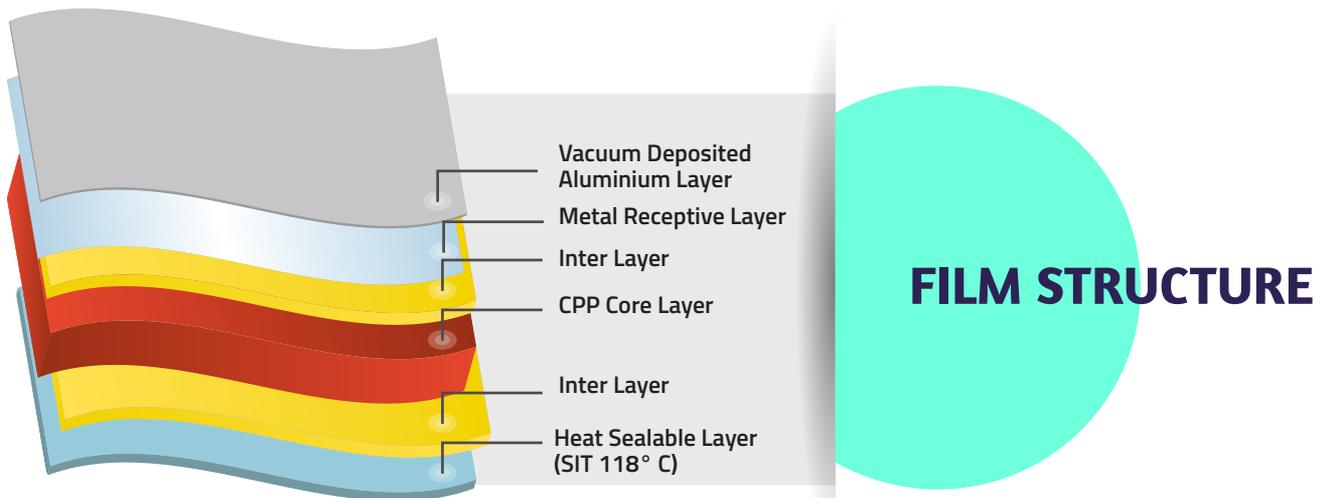


C-CEM-M

Metallized CPP Film With High Metal Bond

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



THE BIG DIFFERENTIATORS



Excellent Extrusion Bond

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



Optimal COF

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



Metal Cracking Resistance

Durability & sustainability of barrier under extreme conditions. Enhanced extrusion/adhesive bond strengths.



Exceptional Metal Brilliance

Enhanced graphics & images.



Good Machinability

Excellent runnability.

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

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES		
THICKNESS		Internal	Micron	22	25	30
			(Gauge)	88	100	120
FILM DENSITY		D-1505	gm/cc	0.91		
GRAMMAGE		Internal	gm/m ²	20	22.7	27.3
YEILD		Internal	m ² /kg	50	44.0	36.6
			in ² /lb	35150	30932	25730
TREATMENT LEVEL		D-2578	dyne/cm	36		
OPTICAL DENSITY (TOLERANCE: +/- 5%)		Internal	-	2.2		
TENSILE STRENGTH AT BREAK	MD*	D-882	kg/cm ²	750		
	TD*			270		
	MD*		(KPsi)	10.7		
	TD*			3.8		
ELONGATION AT BREAK	MD*	D-882	%	450		
	TD*			600		
HEAT SEAL INITIATION TEMPERATURE		Internal	°C	118		
HEAT SEAL STRENGTH	(Min)	Internal	gm/25mm	1900	2200	2500
WATER VAPOUR TRANSMISSION RATE (38°C & 90% RH)		F-1249	gm/m ² /day	0.8	0.8	0.8
			(gm/100 in ² /day)	0.05	0.05	0.05
OXYGEN TRANSMISSION RATE (23°C & 0% RH)		D-3985	cc/m ² /day	130	120	110
			(cc/100 in ² /day)	8.4	7.7	7.1

*Ref no QAD UFLI S/17 - MC 3/2

*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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