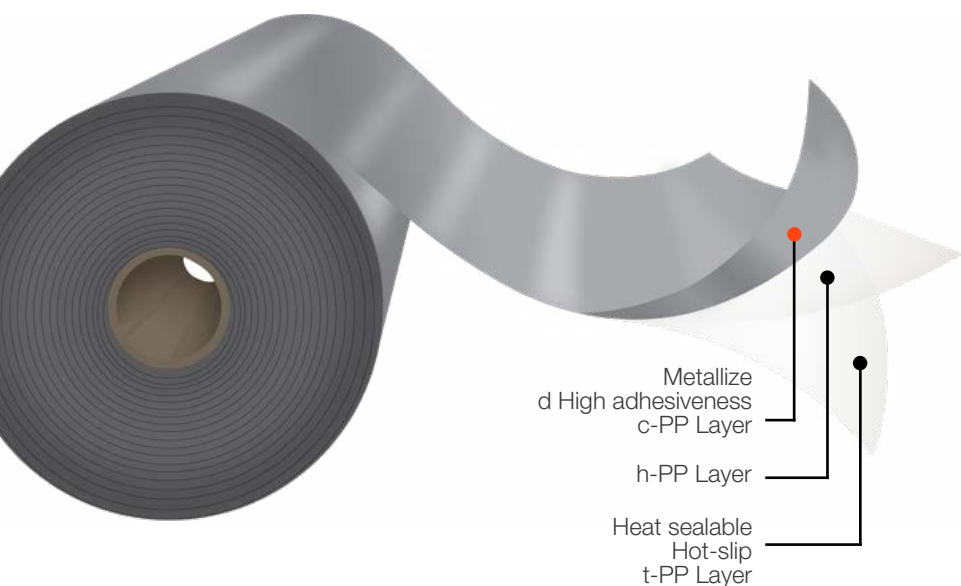


## Metallized CPP Film

*High barrier, heat sealable on one side*



Cpp MetalFilm

**CM C**

### Description

**Cpp MetalFilm** is a polypropylene film, one side metallized film by a controlled vacuum deposition of high purity aluminum. The base film is formulated with non-migratory additives for stable slip properties and excellent metal adhesion. The untreated face confers high sealability with an optimal balance between tear strength and rigidity. The metallized side is located on the outside face of the reel.

### Main Characteristics

- Hot-slip.
- Free from migratory additives.
- Outside face metallized for high barrier to UV light, gases and odors.
- Broad heat seal range.
- Outstanding sealing strength.
- Excellent flatness and dimensional stability.

### Applications

This film is typically used as the internal web in laminations for products which require excellent light protection and high moisture and/or oxygen barrier. It is recommended to use adhesives with good elastic curing to avoid affecting lamination bonds. In order to meet FDA and EU guidelines for food contact, the metal surface should be located in either the outer surface or embedded within the laminated structure. This film produces high seal strength and package hermeticity.

#### \* Important Considerations

- It is recommended to store this material at conditions not exceeding 30°C, under shade and with a relative humidity of 60%. To protect against humidity and avoid film blocking, rolls should stay covered with the plastic overwrap when not in use.
- The information in this data sheet is based on tests carried out in our laboratories and it is intended to be used for reference only, and does not constitute a specification; therefore, should not be construed as a guarantee of performance. It is the responsibility of the user to carry out the necessary tests to guarantee its use for the intended applications.
- For best results, it is recommended to bump treat the metal surface during lamination.

## Standard Dimensions\*

\*This product has lot size and width restrictions. Please consult your sales representative.

CppFilm Code	Thickness (µm)	Unit Weight (g/m <sup>2</sup> )	Width (mm)	Core Size	760 mm Ø Outside Diam.		Treated Face
					Length (m)	Weight (kg/cm)	
CM C 25	25.0	22.6	400 to 2000	3" & 6"	16,600	3.76	Outside
CM C 30	30.0	27.2			13,800		
CM C 37	37.0	33.5			6,000		
CM C 40	40.0	36.2			10,400		

## Typical Values of Physical Properties \*\*

\*\*Information and data presented in this data sheet is intended to be used as general guidelines. Physical properties specifications are available upon request.

Property	Unit	Testing Method	Thickness in Microns			
			25	30	37	40
Optical Density	%	AIMCAL TP 101-78	2.2			
Coefficient of Friction - Kinetic	N/N	-	ASTM D1894			
Secant Modulus @ 2%	MD	N/mm <sup>2</sup>	ASTM D882			
	TD		500			
Impact Resistance	J	ASTM D3420	1.2	1.5	1.8	
			0.3			
Tear Resistance	MD	N	ASTM D1922			
	TD		3.5	4.0	4.5	
Heat Seal Initiation Temperature	°C	ASTM F2029	115			
Seal Strength @ 140 °C	N/(25 mm)	ASTM F88	10	12	16	18
Water Vapor Transmission Rate @ 38 °C, 90% R.H.	g/(m <sup>2</sup> .day)	ASTM F1249	1.0			

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