

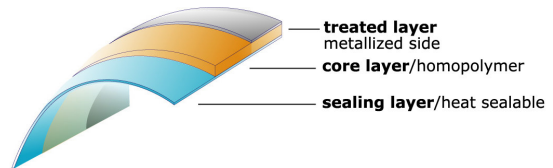
## CPP METALLIZED FILM (Metallized Cast Polypropylene)

Metallized; Co-extruded 3-layer film; One side corona treated; Treated side is the metallized side

### PROPERTIES

#### TYPICAL APPLICATIONS

- Excellent Surface Gloss on Metallized Side
- Very Good Water Vapour and Gas Barrier Properties
- Excellent Adhesion of Aluminum
- Very Good Anchorage of Lamination Adhesive on Metallized Side
- Very Good Lamination Bond Strength
- Excellent Machinability
- Very Good Hot-Tack and Seal Strength



#### STORAGE, HANDLING AND APPLICATION/RECOMMENDATIONS

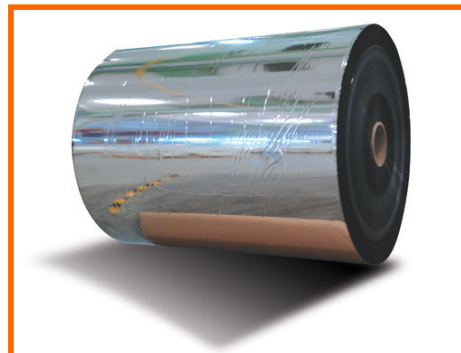
All films should be stored in a dry environment at a temperature under 30° C. If properly stored, the film will maintain consistent performance over a period of up to 6 months from the date of production and should be converted prior to this time. A prolonged period of storage may cause problems of thickness profile and blocking on account of the elastic memory of thermoplastic film. It is a fact that polypropylene films age with time and will exhibit deterioration in the wetting tension levels. For this reason it is recommended that film stocks are evaluated for ink adhesion prior to printing and if necessary retreated during conversion process to ensure optimal adhesion of inks and adhesives. It is also advisable to allow the film to reach room temperature at least 24 hours prior to use. Sealing properties of film deteriorate when corona treatment is present. Always check the treated side when using the film.

#### FOOD CONTACT

Our film fully meets the overall migration requirements and is therefore suitable for direct food contact.



**CAST FILM EXTRUSION PROCESS**

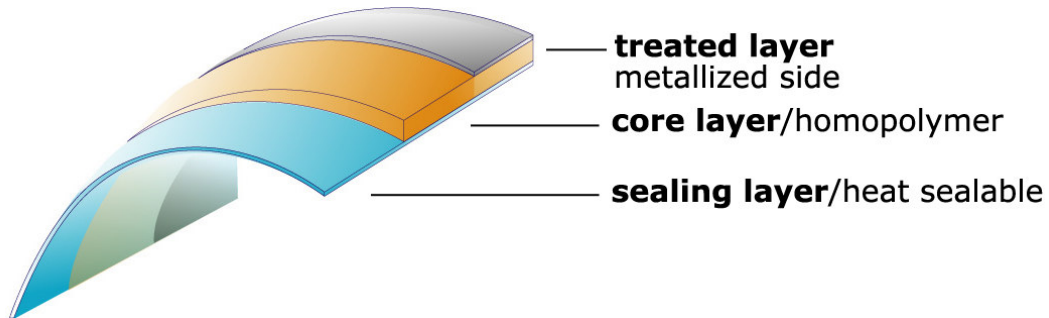


**CPP METALLIZED FILM**

# Technical Data Sheet

## CPP METALLIZED FILM (Metallized Cast Polypropylene)

Metallized; Co-extruded 3-layer film; One side corona treated; Treated side is the metallized side



PROPERTIES	UNIT	TEST METHOD	VALUES						
Nominal thickness	$\mu\text{m}$	SH	20	25	30	35	40		
Weight per unit of area	$\text{g} / \text{m}^2$	ASTM D 1505	18.2	22.7	27.3	31.8	36.4		
Density	$\text{g} / \text{cm}^3$	ASTM D 1505	0.91						
Yield	$\text{m}^2 / \text{kg}$	SH	55.0	44.0	36.6	31.4	27.5		
Sealing Range	$^{\circ}\text{C}$	SH	120 $^{\circ}\text{C}$ - 140 $^{\circ}\text{C}$						
Coefficient of Friction(dynamic) Film / Film (T/NT)		ASTM D 1894	0.3						
Shrinkage	MD TD	%	ASTM D 1204 120 $^{\circ}\text{C}$ / 5min		1.0 1.0				
Tensile Strength (min)	MD TD	MPa	ASTM D 882		40 20	45 20	50 25	60 25	60 30
Elongation at Break (min)	MD TD	%	ASTM D 882		550 650	650 675	700 750	700 750	750 800
WVTR38 $^{\circ}\text{C}$ / 90% R.H	$\text{g} / \text{m}^2 \cdot \text{d}$	ASTM 1249	3.8	3.5	3.2	3.0	2.0		
Wettability (min Treatment level)	$\text{mN} / \text{m}$	ISO 8296	> 36						
Gloss @ 45 $^{\circ}$	$\text{N} / 25.4 \text{ mm}$	ASTM D-2457	85	80	75	70	70		
O.T.R. (23 $^{\circ}\text{C}$ & 0%RH)	$\text{cc} / \text{m}^2 / \text{day}$	ASTM D 3985	650	600	550	500	400		
Optical Density	-	SH	2.2	2.2	2.2	2.2	2.2		

The information contained herein is to be used only as guide for using our film. The specifications, properties and applications mentioned were based on reliable and standard laboratory testing procedures. Users of this film should make independent assessment of its suitability and applicability to their end use. Al Sharq Flexible Packaging does not offer any guarantee on the results and does not accept any liability arising out of the use of the information contained herein. Al Sharq Flexible Packaging reserves the right to change the technical data sheet at any time without prior information.