

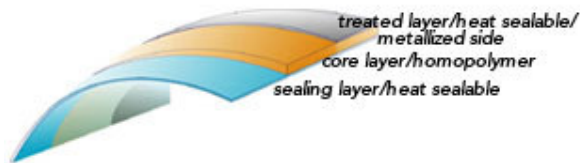
## CPP METALLIZED FILM (Metallized Cast Polypropylene)

Metallized; Co-extruded 3-layer film; Two-side heat sealable; 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

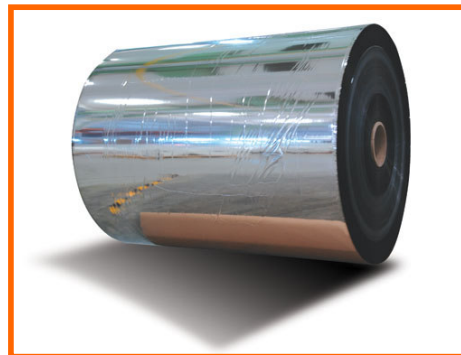
All films should be stored in a dry environment at a temperature under 30° C. If properly stored, the film will maintain consistent performance over a period of up to 6 months from the date of production and should be converted prior to this time. A prolonged period of storage may cause problems of thickness 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.

#### FOOD CONTACT

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



CAST FILM EXTRUSION PROCESS

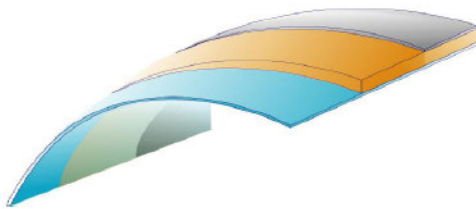


CPP METALLIZED FILM

# Technical Data Sheet

## CPP METALLIZED FILM (Metallized Cast Polypropelene)

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



- **treated layer/heat sealable metallized side**
- **core layer/homopolymer**
- **sealing layer/heat sealable**

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	%	ASTM D 1204 120 $^{\circ}\text{C}$ / 5min	1.0				
	TD							
Tensile Strength (min)	MD	MPa	ASTM D 882	40	45	50	60	60
	TD			20	20	25	25	30
Elongation at Break (min)	MD	%	ASTM D 882	550	650	700	700	750
	TD			650	675	750	750	800
WVTR38 $^{\circ}\text{C}$ / 90% R.H		$\text{g}/\text{m}^2\text{d}$	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.