

## TECHNICAL DATA SHEET

Metallised film with one side corona treated, non heat sealable for decorative application.

## PRODUCT DESCRIPTION

Chiripal Poly Films NMD is metallised BOPP film having metal deposited on one side, other side non treated non heat sealable. Metallised side is specifically designed to provide excellent surface treatment retention & good anchorage with inks during printing.

## PRODUCT FEATURES

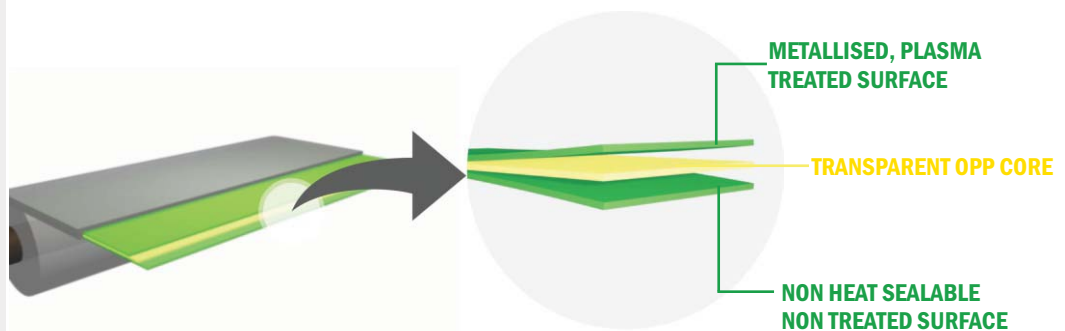
- Good aluminum adhesion to film
- Good treatment retention
- Very good metal appearance
- Good moisture barrier
- Good oxygen barrier
- Good stiffness & mechanical Properties
- High surface gloss

## APPLICATIONS

- Decorative applications
- Lamination with paper / paper board
- Gift wrap
- General purpose packaging

\* Available in inside / outside corona treated as per customer requirement

## SHEET STRUCTURE



## TECHNICAL INFORMATION

PROPERTIES	TEST METHOD	UNIT	CB09NI-MD	CB10NI-MD	CB15NI-MD	CB18NI-MD	CB20NI-MD	CB25NI-MD	
Nominal Thickness (±3.0%)	ASTM D-374	Micron	09	10	15	18	20	25	
		(Gauge)	36	40	60	72	80	100	
Unit weight	Internal	gm/m <sup>2</sup>	8.0	8.9	13.5	16.2	18.0	22.5	
Yield	Internal	m <sup>2</sup> /kg	125	112.2	74.3	61.7	55.5	44.3	
Coefficient of Friction	ASTM D-1894	Kinetic (NT/NT)	0.35-0.45						
Optical Density	ASTM D-1003	-	1.8-2.0						
Gloss at 45°	ASTM D-2457	-	90						
Tensile Strength at Break	ASTM D-882	kg/cm <sup>2</sup>	1250						1250
			2500						2800
		(KPsi)	17.8						17.8
			39.8						39.8
Elongation at Break	ASTM D-882	%	180						170
			70						70
Thermal Shrinkage (at 120°C / 5 min)	Internal	%	3.5						<5.0
			1.5						<3.0
WVTR (38°C & 90% RH)	ASTMF-1249	gm/m <sup>2</sup> /day	1.5	1.1	1.0	0.8	0.8	0.6	
		(gm/100in <sup>2</sup> /day)	0.1	0.07	0.06	0.05	0.05	0.04	
OTR (23°C & 0% RH)	ASTM D-3985	cc/m <sup>2</sup> /day	140	125	110	110	110	100	
		cc/100in <sup>2</sup> /day)	9.0	8.0	7.0	7.0	7.0	6.5	

MD – Machine Direction, TD – Transverse Direction, NT– Non Treated

## FOOD CONTACT

Chiripal Poly Films complies with EC and FDA regulations. Specific document and MSDS are available on request.

## STORAGE & HANDLING

Chiripal Poly Films do not require special storage conditions. A storage temperature below 30°C & humidity 55±5 % is recommended in order to avoid any deterioration of the film surface properties. Excess humidity and heat can cause problem such as fast treatment decay, film becomes more hazy / slippery which can affect the quality of printing and coating. It is advisable to use the material on FIFO basis. The film should be conditioned in operating environment for 24 hours before any kind of processing. CP-Films is best suitable for use up to 3 months from date of production except for metallised side surface tension.

## DISCLAIMER

The property given in the technical data sheet do not constitute product specification but represent typical performance values based on the best of our knowledge and believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. 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. Chiripal Poly Films Ltd. does not guarantee the typical values. Chiripal Poly Films Ltd. reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information.