CHIRIPAL

CHIRIPAL POLYFILMS LIMITED

TECHNICAL DATA SHEET

Metallised both side corona treated, non heat sealable for sandwich layer.

PRODUCT DESCRIPTION

Chiripal Poly Films NBMD is metallised film having metal deposited on one side and other side corona treated, non heat sealable for sandwich layer in three ply laminate applications. Metallised side is specifically designed to provide excellent surface treatment retention & good anchorage with inks during printing.

PRODUCT FEATURES

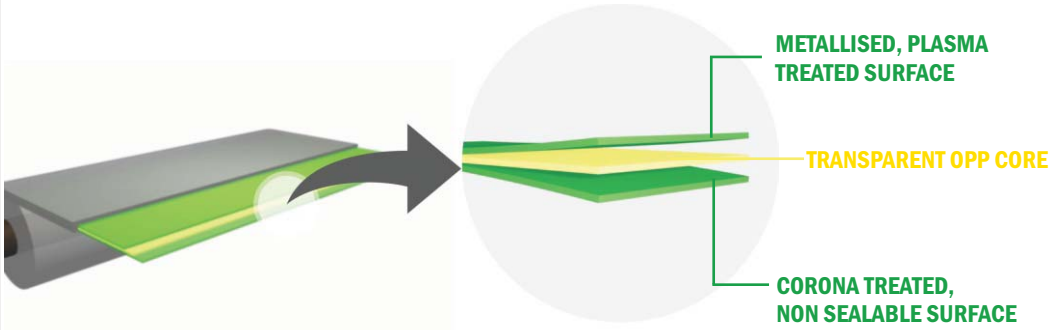
- Good aluminum adhesion to film
- Good treatment retention
- Very good metal appearance
- Good moisture barrier
- Good oxygen barrier
- Good stiffness & mechanical Properties
- High surface gloss

APPLICATIONS

- Sandwich layer in three ply laminate packaging structure
- 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		CB15NB-MD	CB18NB-MD	CB20NB-MD	CB25NB-MD	CB30NB-MD	CB35NB-MD
Nominal Thickness (±3.0%)	ASTM D-374	Micron		15	18	20	25	30	35
		(Gauge)		60	72	80	100	120	140
Unit weight	Internal	gm/m^2		13.5	16.2	18.0	22.5	27.1	31.6
Yield	Internal	m^2/kg		74.1	61.7	55.5	44.4	36.9	31.7
Coefficient of Friction	ASTM D-1894	Kinetic		0.35-0.45					
Optical Density	ASTM D-1003	-		1.8-2.0					
Gloss at 45^0	ASTM D-2457	-		90					
Tensile Strength at Break	ASTM D-882	kg/cm2	1250	1250					
			2500	2800					
		(KPsi)	17.8	17.8					
			35.5	39.8					
Elongation at Break	ASTM D-882	%	180	170					
			70	70					
Thermal Shrinkage (at 120^0C / 5 min)	Internal	%	3.5	<5.0					
			1.5	<3.0					
WVTR (38^0C& 90% RH)	ASTMF-1249	gm/m^2/day		1.0	0.8	0.8	0.6	0.6	0.5
		($gm/100in^2$/day)		0.06	0.05	0.05	0.04	0.04	0.03
OTR (23^0 C & 0% RH)	ASTM D-3985	cc/m^2/day		110	110	110	100	100	90
		$cc/100in^2$/day)		7.0	7.0	7.0	6.5	6.5	6.0

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

Corporate Office : 3rd floor, Chiripal House, Shivranjani cross roads, Satellite, Ahmedabad - 3800015. Gujarat, INDIA
Plant : Plot No. 14, Vraj Integrated Textile Park, N.H. No.8, Bidaj, Kheda - 397420, Gujarat, INDIA | Phone : +91 79 26734660/2/3
Email : mktgbopp@chiripalgroup.com
Website : www.chiripalpolyfilms.in
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