CHIRIPAL

CHIRIPAL POLYFILMS LIMITED

TECHNICAL DATA SHEET

Metallised film with one side corona treated, other side ultra low heat sealable & low COF, for conversion.

PRODUCT DESCRIPTION

Chiripal Poly Films UMD is metallised BOPP film having metal deposited on treated side and ultra low heat sealable low COF surface on other side. Metallised side is specifically designed to provide excellent surface treatment retention. The non treated ultra low heat-seal surface have excellent hottack & seal strength and broad sealing range which gives optimum performance on wide range of high speed packaging machines.

PRODUCT FEATURES

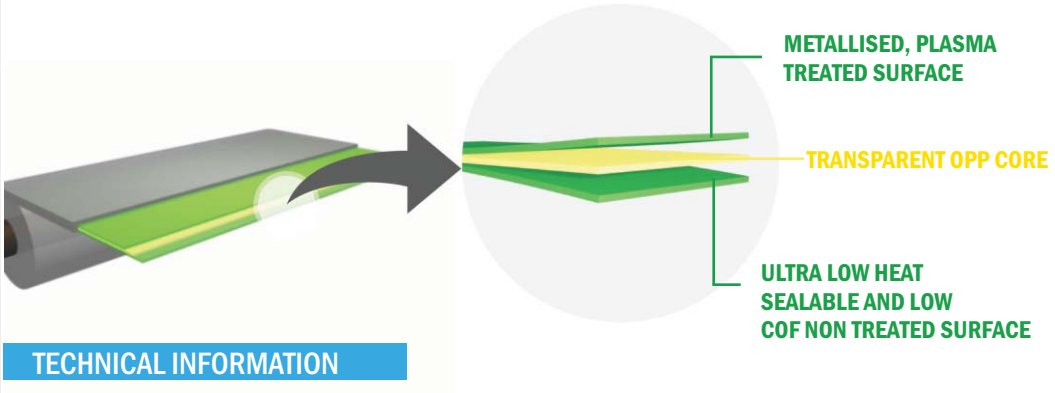
- Ultra low seal initiation temperature and broad seal range
- Very good moisture and gas barrier
- Excellent aluminum adhesion to film
- Excellent treatment retention
- Excellent metal appearance
- Excellent hot tack
- Good stiffness & mechanical Properties
- High surface gloss
- Consistent slip properties

APPLICATIONS

- Food packaging and very high speed FFS machine
- Conversion application for single / two ply packing structure
- Printing / Lamination

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

SHEET STRUCTURE



TECHNICAL INFORMATION

PROPERTIES	TEST METHOD	UNIT		CB15HI-UMD	CB18HI-UMD	CB20HI-UMD	CB25HI-UMD	CB30HI-UMD	CB35HI-UMD
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 (NT/NT)		0.25-0.28					
Optical Density	ASTM D-1003	-		2.0-2.2					
Gloss at 45^0	ASTM D-2457	-		90					
Tensile Strength at Break	ASTM D-882	kg/cm2	MD	1300					
			TD	2900					
		(KPsi)	MD	18.5					
			TD	41.2					
Elongation at Break	ASTM D-882	%	MD	190					
			TD	85					
Thermal Shrinkage (at 120^0C / 5 min)	Internal	%	MD	<5.0					
			TD	<3.0					
Heat Seal Range (NT side)	Internal	^0C		95-140					
Sealing Strength (NT side) (120^0C / 2 Bar/1 sec)	Internal	gm/25mm		>400					
WVTR (38^0 C& 90% RH)	ASTMF-1249	$gm/m^2/day$		0.60	0.50	0.50	0.40	0.40	0.35
		$(gm/100in^2/day)$		0.04	0.04	0.03	0.03	0.03	0.03
OTR (23^0 C & 0% RH)	ASTM D-3985	$cc/m^2/day$		100	95	95	90	90	85
		$cc/100in^2/day)$		6.5	6.5	5.9	5.8	5.8	5.5

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.

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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