CHIRIPAL

CHIRIPAL POLYFILMS LIMITED

TECHNICAL DATA SHEET

Highly cavitated white heat sealable corona treated both side, for label application.

PRODUCT DESCRIPTION

Chiripal Poly Films PLB is white opaque highly cavitated film, high barrier metallised on one side, and other side is low heat sealable & low cof. High energy corona treated surface for printing and good seal strength and broad sealing range and also exhibits excellent hot tack properties, which facilitate the closure being made with heat sealing during wrap around labeling application. The film designed for use in reel-fed wrap around & pressure sensitive label application, where outstanding metallised appearance and superior graphics are desired.

PRODUCT FEATURES

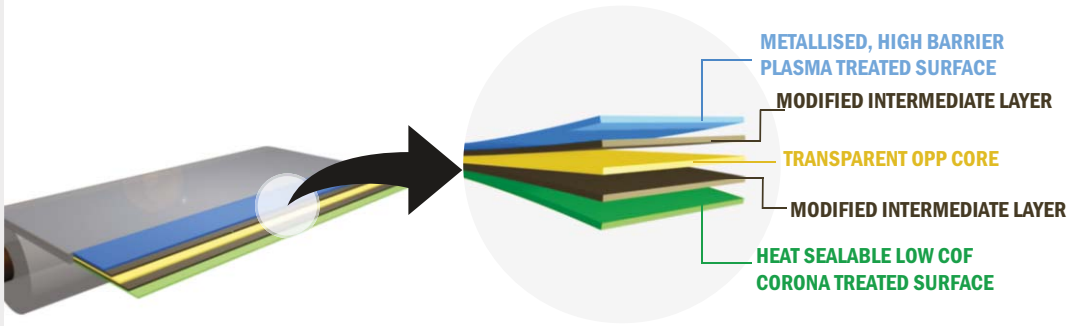
- High barrier metallised
- Brilliant metal appearance
- Excellent adhesion of aluminium to film
- Excellent moisture and gas barrier
- Excellent hot melt anchorage
- Low seal initiation temperature and broad seal range
- Excellent hot tack
- Very good stiffness & mechanical Properties
- Excellent surface treatment retention.
- Good mold resistance

APPLICATIONS

- Wrap around & pressure sensitive labels.
- Reel – Fed labels
- Ice cream packaging
- Conversion

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

SHEET STRUCTURE



TECHNICAL INFORMATION

PROPERTIES	TEST METHOD	UNIT		CB30HB-PLB	CB35HB-PLB	CB40HB-PLB	CB45HB-PLB
Nominal Thickness (±3.0%)	ASTM D-374	Micron		30	35	40	45
		(Gauge)		120	140	160	180
Unit weight	Internal	gm/m^2		17.9	20.9	23.9	26.9
Yield	Internal	m^2/kg		55.9	47.9	41.8	37.2
Density	Internal	Gm/cc		0.58			
Coefficient of Friction	ASTM D-1894	Kinetic		0.25-0.30			
Optical Density	ASTM D-1003	-		>2.5			
Gloss at 45^0	ASTM D-2457	-		75			
Tensile Strength at Break	ASTM D-882	kg/cm2	MD	700			
			TD	1300			
		(KPsi)	MD	9.9			
			TD	18.5			
Elongation at Break	ASTM D-882	%	MD	170			
			TD	60			
Thermal Shrinkage (at 120^0C / 5 min)	Internal	%	MD	<4.0			
			TD	<2.0			
Heat Seal Range	Internal	^{0}C		105-145			
Sealing Strength (120^0C / 2 Bar/1 sec)	Internal	gm/25mm		>400			
WVTR (38^0C& 90% RH)	ASTMF-1249	$gm/m^2/day$		0.30	0.28	0.25	0.25
		$(gm/100in^2/day)$		0.02	0.018	0.016	0.016
OTR (23^0 C & 0% RH)	ASTM D-3985	$cc/m^2/day$		40	38	38	35
		$cc/100in^2/day)$		2.6	2.5	2.5	2.3

MD – Machine Direction, TD – Transverse Direction

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.

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