

## TECHNICAL DATA SHEET

Transparent ultra low heat sealable and low coef corona treated one side, for conversion.

## PRODUCT DESCRIPTION

Chiripal Poly Films is transparent co-extruded both side heat sealable film has one side ultra low sealing threshold with low COF and other side corona treated. Corona treated surface is specifically designed to provide excellent adhesion of ink and lamination adhesive during conversion. The non treated ultra low heat-seal and low COF surface have good seal strength and very broad sealing range which gives optimum performance on packaging machines. The film exhibits the consistent and improved slip properties.

## PRODUCT FEATURES

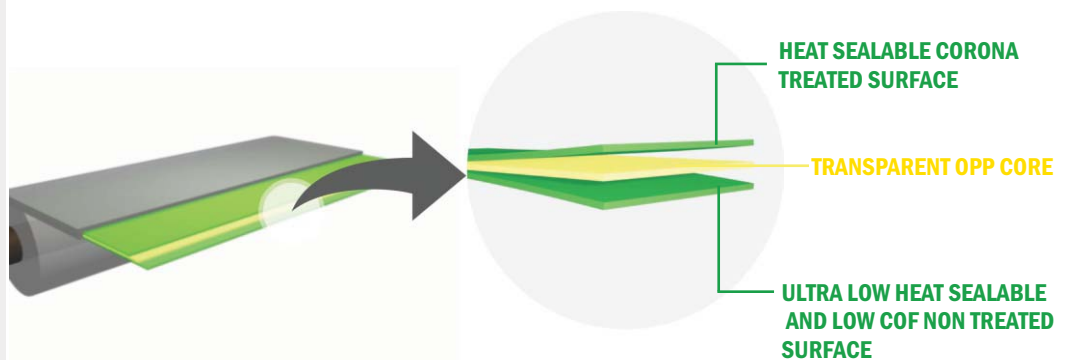
- Excellent sealing properties and hot tack
- Ultra low seal initiation temperature
- Excellent antistatic and slip properties
- Excellent printability and suitable for lamination with other substrates
- Excellent optical properties
- Excellent surface treatment retention.

## APPLICATIONS

- Single / two ply printing lamination
- Very high speed FFS machine packaging applications
- Flexible packaging
- Confectionery, Bakery and chips packing

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

## SHEET STRUCTURE



## TECHNICAL INFORMATION

PROPERTIES	TEST METHOD	UNIT	CB18HI-UC	CB20HI-UC	CB25HI-UC	CB30HI-UC	CB35HI-UC	CB40HI-UC	
Nominal Thickness (± 3.0 %)	ASTM D-374	Micron	18	20	25	30	35	40	
		(Gauge)	72	80	100	120	140	160	
Unit weight	Internal	gm/m <sup>2</sup>	16.2	18.0	22.5	27.1	31.6	36.2	
Yield	Internal	m <sup>2</sup> /kg	61.7	55.5	44.2	36.9	31.6	27.6	
Haze	ASTM D-1003	%	2.0	2.2	2.2	2.5	2.5	2.5	
Gloss at 45°	ASTM D-2457	-	90						
Treatment Level	ASTM D-2578	dyne/cm	38 min						
Coefficient of Friction	ASTM D-1894	Kinetic (NT/NT)	0.24-0.26						
Tensile Strength at Break	ASTM D-882	kg/cm <sup>2</sup>	MD	1300					
			TD	2900					
		(KPsi)	MD	18.5					
			TD	44.2					
Elongation at Break	ASTM D-882	%	MD	210					
			TD	90					
Thermal Shrinkage (at 120°C / 5 min)	Internal	%	MD	< 5.0					
			TD	< 3.0					
Heat Seal Range (NT side)	Internal	°C	95-140						
Sealing Strength (NT side) (120°C / 2 Bar/1 sec)	Internal	gm/25mm	> 400						
WVTR (38°C & 90% RH)	ASTM F-1249	gm/m <sup>2</sup> /day	6.8	6.5	6.0	5.7	5.4	5.0	
		(gm/100in <sup>2</sup> /day)	0.44	0.42	0.39	0.37	0.35	0.32	
OTR (23°C & 0% RH)	ASTM D-3985	cc/m <sup>2</sup> /day	1800	1800	1600	1600	1400	1400	
		cc/100in <sup>2</sup> /day)	116	116	103	103	90	90	

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 6 months from date of production.

## 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.