

TECHNICAL DATA SHEET

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

PRODUCT DESCRIPTION

Chiripal Poly Films PLZ is white highly cavitated heat sealable, both side treated film, specifically designed to provide excellent metal adhesion and treatment retention after metallisation and other side is low seal with low COF, high energy treated surface for printing, for use in reel-fed wrap around & pressure sensitive label application.

PRODUCT FEATURES

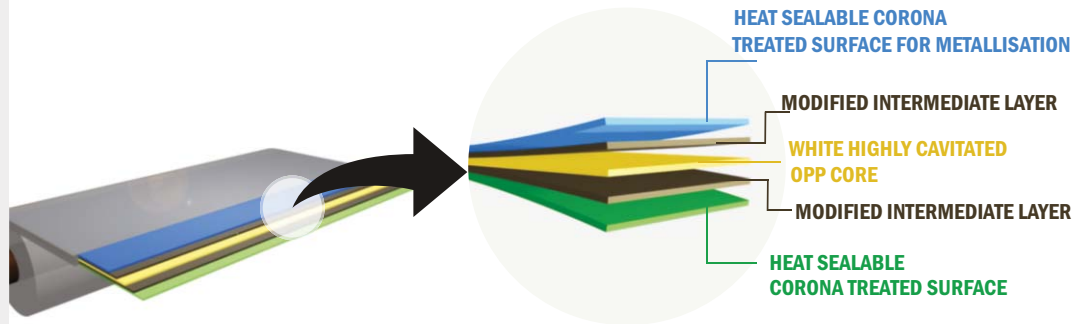
- Outstanding opacity and whiteness.
- Excellent anchorage to metal
- Exceptional printability
- Low seal initiation temperature and broad seal range
- Excellent hot tack
- Very good stiffness & mechanical properties
- Excellent surface treatment retention.
- Good mold resistance

APPLICATIONS

- Base film for aluminum vacuum metallisation
- Printing & laminations
- Conversion

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

SHEET STRUCTURE



TECHNICAL INFORMATION

PROPERTIES	TEST METHOD	UNIT	CB25NB-PLZ	CB30NB-PLZ	CB35NB-PLZ	CB40NB-PLZ	CB45NB-PLZ
Nominal Thickness (±3.0%)	ASTM D-374	Micron	25	30	35	40	45
		(Gauge)	100	120	140	160	180
Unit weight	Internal	gm/m ²	14.4	17.3	20.2	23.1	26
Yield	Internal	m ² /kg	69.4	57.8	49.5	43.3	38.5
Transmittance	ASTM D-1003	%	32	30	28	26	24
Coefficient of Friction	ASTM D-1894	Kinetic	0.25-0.30				
Gloss at 45°	ASTM D-2457		>50				
			700				
Tensile Strength at Break	ASTM D-882	kg/cm ²	MD	1300			
			TD	18.5			
		(KPsi)	MD	9.9			
			TD	60			
Elongation at Break	ASTM D-882	%	MD	170			
			TD	<4.0			
Thermal Shrinkage (at 120°C / 5 min)	Internal	%	MD	<2.0			
			TD	105-145			
Heat Seal Range (2 Bar/1 sec)	Internal	°C	105-145				
Sealing Strength (120°C / 2 Bar/1 sec)	Internal	gm/25mm	>400				
WVTR (38°C & 90% RH)	ASTMF-1249	gm/m ² /day	7.0	6.8	6.5	6.0	5.7
		(gm/100in ² /day)	0.48	0.44	0.42	0.39	0.37
OTR (23°C & 0% RH)	ASTM D-3985	cc/m ² /day	2000	1800	1800	1600	1600
		cc/100in ² /day)	129	116	116	103	103

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.