

TECHNICAL DATA SHEET

Transparent ultra low heat sealable corona treated one side, base film for vacuum metallisation.

PRODUCT DESCRIPTION

Chiripal Poly Films UMZ is transparent co-extruded film Metallisable on one side, and ultra low heat sealable with low COF surface on the other side. Corona treated surface is specifically designed to provide excellent metal adhesion and treatment retention after metallisation. The Non treated ultra low heat-seal surface have excellent hotteck and broad seal range which gives optimum performance on wide range of packaging machines.

PRODUCT FEATURES

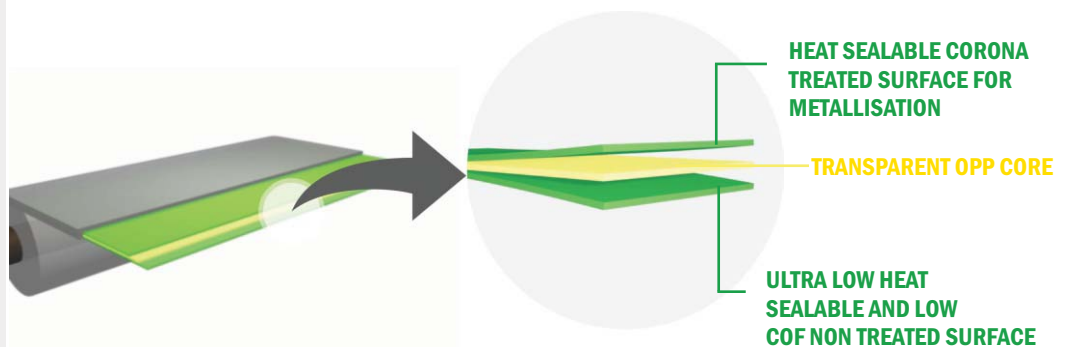
- Ultra low seal initiation temperature and broad seal range
- Excellent slip and hot tack
- Excellent anchorage to metal
- Excellent processability during metallisation
- Excellent treatment retention after Metalisation
- Good stiffness & mechanical Properties
- High surface gloss and transparency

APPLICATIONS

- Base film for aluminium vacuum metallisation
- Conversion application
- Lamination

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

SHEET STRUCTURE



TECHNICAL INFORMATION

PROPERTIES	TEST METHOD	UNIT	CB15HI-UMZ	CB18HI-UMZ	CB20HI-UMZ	CB25HI-UMZ	CB30HI-UMZ	CB35HI-UMZ	
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	74.3	61.7	55.5	44.4	36.9	31.7	
Coefficient of Friction	ASTM D-1894	Kinetic (NT/NT)	0.25-0.28						
Haze	ASTM D-1003	%	<2.5						
Gloss 45°	ASTM D-2457	-	95						
Tensile Strength at Break	ASTM D-882	kg/cm ²	MD	1350					
			TD	2900					
		(KPsi)	MD	19.2					
			TD	41.2					
Elongation at Break	ASTM D-882	%	MD	180					
		TD	80						
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 (min.) (120°C / 2 Bar)	Internal	gm/25mm	>400						
WVTR (38°C & 90% RH)	ASTMF-1249	gm/m ² /day	6.8	6.5	6.0	5.7	5.7	5.7	
		(gm/100in ² /day)	0.44	0.42	0.39	0.37	0.37	0.37	
OTR (23°C & 0% RH)	ASTM D-3985	cc/m ² /day	1800	1700	1700	1600	1600	1600	
		cc/100in ² /day)	116	110	110	103	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.