

TECHNICAL DATA SHEET

Transparent high heat seal strength with high hot tack, low cof corona treated antifog film

PRODUCT DESCRIPTION

Chiripal Poly Films AFC is transparent co-extruded both side heat sealable ANTIFOG film, has one side low sealing threshold seal strength with low cof and other side printable corona treated.

The antifog side having very high heat seal strength and high hottack with broad sealing range which gives optimum performance on wide range of packaging machines. The film exhibits excellent antifog effect on refrigeration or room / elevated temperature. Corona treated surface is specifically designed to provide excellent adhesion of ink and lamination adhesive during conversion.

The antifog property of the film prevents fogging inside the package and provide excellent see through of the film. The film is applicable for both cold and hot fog applications. The Antifog side must have to be in contact with food.

PRODUCT FEATURES

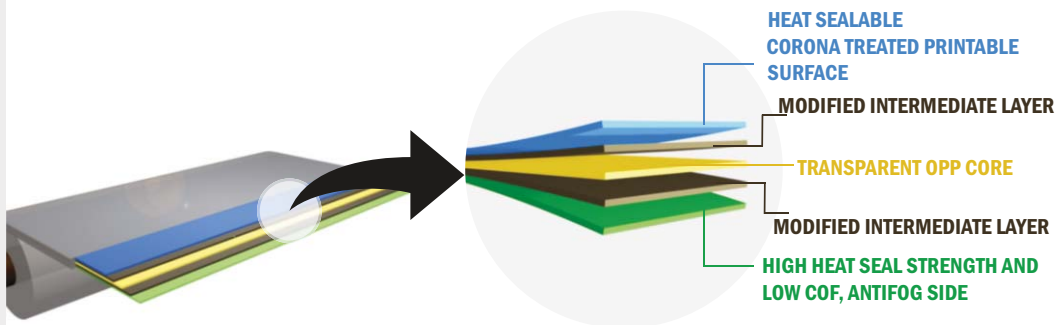
- Excellent Antifog effect
- High heat seal strength and hot tack
- Low seal initiation temperature
- Excellent antistatic and slip properties
- Excellent printability and suitable for lamination with other substrates
- Very good optical properties
- Excellent surface treatment retention.

APPLICATIONS

- Hot & cold antifog application
- Antifog film for fresh vegetable / fruit / other packaging applications
- Meat Packaging
- Single / two ply printing lamination
- High speed FFS machine
- Flexible packaging

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

SHEET STRUCTURE



TECHNICAL INFORMATION

PROPERTIES	TEST METHOD	UNIT	CB25HI-AFC	CB30HI-AFC	CB35HI-AFC	CB40HI-AFC	CB45HI-AFC
Nominal Thickness (±3%)	ASTM D-374	Micron	25	30	35	40	45
		(Gauge)	100	120	140	160	180
Unit weight	Internal	gm/m ²	22.5	27.1	31.6	36.2	40.8
Yield	Internal	m ² /kg	44.4	36.9	31.6	27.6	24.5
Treatment Level	ASTM D-2578	dyne/cm	38				
Coefficient of Friction	ASTM D-1894	Kinetic (NT/NT)	0.30 – 0.35				
Haze	ASTM D-1003	%	2.2	2.2	2.5	2.5	2.5
Gloss at 45°	ASTM D-2457	-	95				
Tensile Strength at Break	ASTM D-882	kg/cm ²	MD	1250			
			TD	2800			
		(KPsi)	MD	17.8			
			TD	39.8			
Elongation at Break	ASTM D-882	%	MD	200			
			TD	85			
Thermal Shrinkage (at 120°C / 5 min)	Internal	%	MD	<5.0			
			TD	<3.0			
Heat Seal Range (NT side)	Internal	°C	110-140				
Sealing Strength (NT side) 120°C / 2 Bar/1 sec.	Internal	gm/25mm	>950				
Hot tack (120°C / 2 Bar/0.5 sec)	Internal	gm/15mm	>450				
Antifog Test	Internal	Rating (A to E)	E-Excellent				

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.