



Acrylic Coated Surface
BOPP Film
PVdC Coated Surface

PACKAGING FILM

PRODUCT DESCRIPTION

Coated BOPP-based Film. One side is acrylic coated, and the other side is PVdC coated. It is suitable as plain, surface printed monolayer or reverse printing in laminations

FEATURES

- Suitable for printing with a wide variety of printing processes like rotogravure and flexography
- Outstanding optical properties, gloss, and transparency.
- Excellent barrier to water vapor, gases, and aromas. PVdC enhances the sealing properties, whereas the acrylic side improves printability.
- Excellent dimensional stability, stiffness, and mechanical properties

APPLICATION

It can be used as a single film or in laminate structures that demand outstanding barrier properties to water vapor, gases, and aroma.

FOOD CONTACT: Chiripal's films comply with the requirement of EC, FDA & REACH regulations. Specific documents are available upon request.

PROPERTIES		UNIT	TEST METHOD	CCB28AP	CCB38AP	CCB41AP	CCB53AP
Nominal Thickness		Micron	Internal Method	28	38	41	53
		Gauge		112	152	164	212
		Mil		1.12	1.52	1.64	2.12
Unit Weight(± 5%)		gm/m²		25.4	35.5	38.2	49.2
		lbs/ream		15.6	21.7	23.7	30
Yield		m²/kg		39.3	28	26.1	20.3
		in²/lb	27630	19685	18350	14290	
MECHANICAL PROPERTIES							
Tensile Strength	MD	kg/cm²	ASTM D-882	1245 - 1550			
	TD			2650-3000			
	MD	psi		17685-22018			
	TD			37643-42615			
Elongation Break	MD	%	ASTM D-882	140-220			
	TD			40-90			
THERMAL PROPERTIES							
Thermal Shrinkage (at 120°C /5 mins)	MD	%	ASTM D-1204	2.5-5.0			
	TD			1.0-3.0			
Seal initiation temperature	AC/AC	°C	Internal Method	95			
	PVDC/PVDC			105			
Heat seal strength (at 120°C/2 Bar/1sec)	AC/AC	gm/25mm	Internal Method	>450			
	PVDC/PVDC			>400			
SURFACE PROPERTIES							
COF (Dynamic)	AC/AC	-	ASTM D-1894	0.25 - 0.35			
	PVDC/PVDC			0.35-0.45			
Surface Tension	Coated side	Dynes/cm	ASTM D-2578	> 38			
OPTICAL PROPERTIES							
Haze(max.)		%	ASTM D-1003	2.0 – 2.5			
Gloss(45°)		Gardener	ASTM D-2457	100-105			
BARRIER PROPERTIES							
WVTR,38°C,90% RH(max.)		gm/m²/day	ASTM F-1249	4.0	3.5	3.0	2.7
		gm/100in²/day		0.26	0.22	0.19	0.17
OTR,23°C,0% RH(max.)		cc/m²/day	ASTM D-3985	30	30	30	30
		cc/100in²/day		1.9	1.9	1.9	1.9

Note: MD – Machine Direction, TD – Transverse Direction, COF - Co-efficient of Friction

* Specific thickness (26/31/36) are available on request.

DISCLAIMER: The property given in the present technical data sheet does not constitute product specification but represents typical performance values based on the best of our knowledge and believed to be accurate. These are given in good faith, and the Customer is requested to satisfy its suitability for its particular purpose. The user is solely responsible for the end-use of the product and needs to perform tests to confirm the product suitability/compatibility in all respects. Chiripal Poly Films does not guarantee typical values and reserves the right to change the technical datasheet anytime required to enhance the quality of the products without prior information.