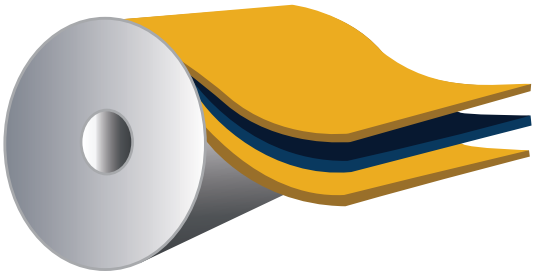
CHIRIPAL
POLY FILMS LIMITED



ONE SIDE PVDC COATED BOPP FILM

PROVISIONAL

PRODUCT DESCRIPTION

One side PVDC coated & other side un-treated heat sealable transparent BOPP film

FEATURES

- Outstanding gloss and transparency
- Printable on PVDC coated side
- Good oxygen & moisture barrier properties
- Low seal threshold on PVDC side
- Excellent machinability
- Good optical properties
- Excellent dimensional stability and stiffness

APPLICATION

- Suitable for flexography and gravure printing
- Suitable for use as a single film or in laminate structures. Usually printed on PVDC coated side & laminate with sealant layer such as PE or CPP
- Suitable for use in overwrapping and food packaging with extended shelf life

PROPERTIES		UNIT	TEST METHOD	CCB27 P	CCB30 P	CCB52 P
Nominal Thickness		Micron		27	30	52
		Gauge		108	120	208
		Mil		1.08	1.2	2.08
Unit Weight (± 5%)		gm/m²	Internal Method	25.8	27.9	48.5
		lbs/ream		15.8	17.1	29.7
Yield		m²/kg		38.8	35.8	20.6
		in²/lb		27241	25169	14496
MECHANICAL PROPERTIES						
Tensile Strength	MD	Kg/cm²		1250-1350		
	TD			2650-2800		
	MD	psi	ASTM D-882	17778-19201		
	TD			37690-39824		
Elongation Break	MD	%	ASTM D-882	180-200		
	TD			50-60		
THERMAL PROPERTIES						
Thermal Shrinkage (at 120°C /5 mins)	MD	%	ASTM D-1204	<5.0		
	TD			<3.0		
Seal initiation temp.	PVDC /PVDC	°C	INTERNAL	105		
Heat seal strength (at 120°C / 2 Bar/1 sec)	PVDC /PVDC	gm/25mm	INTERNAL	>350		
	Sealant/sealant					
SURFACE PROPERTIES						
COF (A/B) (Dynamic)	PVDC/PVDC	-	ASTM D-1894	0.35 - 0.40		
Surface Tension (min.)	PVDC Side	Dynes/cm	ASTM D-2578	40		
OPTICAL PROPERTIES						
Haze(max.)		%	ASTM D-1003	4		
Gloss(45°)		Gardener	ASTM D2457	90-100		
BARRIER PROPERTIES						
WVTR,38°C,90% RH(max.)		gm/m²/day	ASTM F-1249	5		
		gm/100in²/day		0.3		
OTR,23°C,0% RH (max.)		cc/m²/day	ASTM D-3985	30		
		cc/100in²/day		1.9		

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

Updated as on November 2021

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