



ISOTROPIC BOPET FILM

PRODUCT DESCRIPTION

Chiripal Poly Films CPI20 is Biaxially Oriented Transparent Polyester film with inside chemical coated and outside plain. Chemical coated side is suitable for Printing.

This film is also available with outside chemical coated and inside plain.

This film is Isotropic in nature

FEATURES

- ▶ Excellent Isotropic Characteristics
- ▶ Excellent stiffness & mechanical properties.
- ▶ Chemical coating side enhances the ink adhesion in printing, and resulting a good laminate bond strength
- ▶ This is suitable for UV Ink and adhesive system.
- ▶ Excellent transparency and surface properties.

APPLICATION

- ▶ Used For lidding Application
- ▶ Use for board lamination with UV Inks and adhesive system

PROPERTIES		UNIT	TEST METHOD	CP08 I20	CP10 I20	CP12 I20	CP23 I20	CP50 I20
Nominal Thickness	Micron	Internal Gauge	Method	8	10	12	23	50
	Gauge			32	40	48	92	200
Yield	m²/kg			89.2	71.4	59.6	31.1	14.2
MECHANICAL PROPERTIES (Min)								
Tensile Strength	MD	kg/cm²	ASTM D-882	2300	2300	2300	2200	1900
	TD			2300	2300	2300	2200	1800
Elongation Break	MD	%	ASTM D-882	100	100	100	100	110
	TD			90	90	90	90	100
THERMAL PROPERTIES (Max)								
Thermal Shrinkage (at 150°C /30 mins)	MD	%	ASTM D-1204	2.4	2.4	2.4	2.4	2.4
	TD			0.4	0.4	0.4	0.4	0.4
SURFACE PROPERTIES (Max)								
COF (Film to Film)	Static	-	ASTM D-1894	0.44	0.44	0.44	0.44	0.44
	Dynamic			0.34	0.34	0.34	0.34	0.34
SURFACE TENSION								
Palin Side	Dyne/cm		ASTM D-2578	44	44	44	44	44
Coated Side				42	42	42	42	42
OPTICAL PROPERTIES								
Haze (Max)	%		ASTM D-1003	3.0	3.0	3.0	4.0	5.5
Light Transmission			ASTM D-1003	88	88	88	88	88
BARRIER PROPERTIES								
WVTR, 37.7°C, 90% RH	gm/m² /day		ASTM F-1249	40	40	40	40	40
O2 Permeability 23°C, 0%RH	cm³/m² /day		ASTM D-3985-95	130	130	130	130	130

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

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.