



ISOTROPIC BOPET FILM

PRODUCT DESCRIPTION

Chiripal Poly Films CPI30 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 enhances the ink adhesion in printing and metal adhesion in metallizing.
- ▶ Very Good surface properties along with excellent transparency.
- ▶ Excellent machine ability & dimensional stability over a wide range of temperature.
- ▶ Suitable for water and solvent based ink system

APPLICATION

- ▶ Used For lidding Application

PROPERTIES		UNIT	TEST METHOD	CP08I30	CP10I30	CP12I30	CP23I30
Nominal Thickness	Micron		Internal Method	8	10	12	23
	Gauge			36	40	48	92
Yield		m ² /kg		89.2	71.4	59.6	31.1
MECHANICAL PROPERTIES (Min)							
Tensile Strength	MD	kg/cm ²	ASTM D-882	2300	2300	2300	2200
	TD			2300	2300	2300	2200
Elongation Break	MD	%	ASTM D-882	100	100	100	100
	TD			90	90	90	90
THERMAL PROPERTIES (Max)							
Thermal Shrinkage (at 150°C /30mins)	MD	%	ASTM D-1204	2.4	2.4	2.4	2.4
	TD			0.4	0.4	0.4	0.4
SURFACE PROPERTIES (Max)							
COF (Film to Film)	Static	-	ASTM D-1894	0.48	0.48	0.48	0.48
	Dynamic			0.42	0.42	0.42	0.42
SURFACE TENSION							
Plain Side		Dyne/cm	ASTM D-2578	44	44	44	44
Coated Side				56	56	56	56
OPTICAL PROPERTIES							
Haze (Max)		%	ASTM D-1003	3.0	3.0	3.0	4.0
Light Transmission				88	88	88	88
BARRIER PROPERTIES							
WVTR, 37.7°C, 90% RH		gm/m ² /day	ASTM F-1249	40	40	40	40
O ₂ Permeability 23°C, 0%RH		cm ³ /m ² /day	ASTM D-3985-95	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.