



ISOTROPIC BOPET FILM

PRODUCT DESCRIPTION

Chiripal Poly Films CPI10 is Biaxially Oriented Transparent Polyester film with inside corona treatment and outside plain. This film is Isotropic in nature. This film is also available with outside corona treated and inside plain.

FEATURES

- ▶ Excellent Isotropic Characteristics
- ▶ Excellent stiffness & mechanical properties.
- ▶ Excellent transparency and surface properties
- ▶ Corona side enhances the ink and metal adhesion
- ▶ Excellent machine ability & dimensional stability over a wide range of temperature.

APPLICATION

- ▶ Used For lidding Application

PROPERTIES		UNIT	TEST METHOD	CP08 I10	CP10 I10	CP12 I10	CP23 I10	CP36 I10
Nominal Thickness		Micron	Internal Method	8	10	12	23	36
		Gauge		32	40	48	92	144
Yield		m²/kg		89.2	71.4	59.6	31.1	20
MECHANICAL PROPERTIES (Min)								
Tensile Strength	MD	kg/cm²	ASTM	2300	2300	2300	2300	1900
	TD		D-882	2300	2300	2300	2300	1800
Elongation Break	MD	%	ASTM	100	100	100	100	110
	TD		D-882	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	0.48	0.48	0.48	0.48	0.48
	Dynamic		D-1894	0.42	0.42	0.42	0.42	0.42
SURFACE TENSION								
Palin Side		Dyne/cm	ASTM D-2578	44	44	44	44	44
Corona Treated Side				54	54	54	54	54
OPTICAL PROPERTIES								
Haze (Max)		%	ASTM D-1003	3.0	3.0	3.0	4.0	4.5
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.