



CORONA TREATED BOPET FILM

PRODUCT DESCRIPTION

Chiripal Poly Films CPT10 is Bi-axially Oriented Transparent Polyester film with one side corona and other side plain.

The corona side is suitable for Printing or lamination

FEATURES

- 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

- Packaging (food and non- food) application
- Carton lamination with solvent based inks system
- Metallizing application

PROPERTIES		UNIT	TEST METHOD	CP23T10	CP36T10	CP40T10	CP50T10
Nominal Thickness		Micron	Internal Method	23	36	40	50
		Gauge		92	144	160	200
Yield		m²/kg		31.1	19.8	17.8	14.2
MECHANICAL PROPERTIES (Min)							
Tensile Strength	MD	kg/cm²	ASTM	2200	1900	1900	1900
	TD		D-882	2100	1800	1800	1800
Elongation Break	MD	%	ASTM	110	110	110	110
	TD		D-882	100	100	100	100
THERMAL PROPERTIES (Max)							
Thermal Shrinkage (at 150°C /30 mins)	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
Corona Treated Side				54	54	54	54
OPTICAL PROPERTIES							
Haze (Max)		%	ASTM D-1003	4.0	4.5	5.0	5.5
Light Transmission			ASTM D-1003	88	88	88	88
BARRIER PROPERTIES							
WVTR, 37.7°C, 90% RH		gm/m² /day	ASTM F-1249	40	40	40	40
O2 Permeability 23°C, 0%RH		cm³/m² /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.