



ULTRA CLEAR BOPET FILM

PRODUCT DESCRIPTION

Chiripal Poly Films CPUC10 is Biaxially Oriented Ultra Clear transparent Polyester film with inside corona and outside Plain. Corona side is suitable for Printing, coatings and metallizing. This is also available with inside plain and other side corona treated.

FEATURES

- ▶ Excellent clarity and transparency
- ▶ Good adhesion to inks, lacquers and adhesive
- ▶ Excellent mechanical & thermal properties

APPLICATION

- ▶ Printing, labels, imaging and other industrial application
- ▶ Metallizing for "mirror finish"

PROPERTIES		UNIT	TEST METHOD	CP12 UC01	CP23 UC01	CP30 UC01	CP36 UC01	CP50 UC01
Nominal Thickness		Micron	Internal Method	12	23	30	36	50
		Gauge		48	92	120	144	200
Yield		m²/kg		59.6	31.1	24	20	14.2
MECHANICAL PROPERTIES (Min)								
Tensile Strength	MD	kg/cm²	ASTM	2100	2100	2000	1900	1900
	TD		D-882	2000	2000	1900	1800	1800
Elongation Break	MD	%	ASTM	100	100	100	110	110
	TD		D-882	90	90	90	100	100
THERMAL PROPERTIES (Max)								
Thermal Shrinkage (at 150°C /5 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	0.56	0.56	0.56	0.56	0.56
	Dynamic			0.48	0.48	0.48	0.48	0.48
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	<1.0	<1.0	<1.0	<1.0	<1.0
Light Transmission			ASTM D-1003	95	95	95	95	95
BARRIER PROPERTIES								
WVTR, 37.7 ^o C, 90% RH		gm/m² /day	ASTM F-1249	40	40	40	40	40
O2 Permeability 23 ^o 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.