



ULTRA CLEAR BOPET FILM

PRODUCT DESCRIPTION

Chiripal Poly Films CPUC20 is Biaxially Oriented Ultra Clear transparent Polyester film with inside chemical coated and outside Plain.

Chemical coated side is suitable for Printing and coatings

This is also available with inside plain and outside chemical coated

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"
- ▶ Board lamination with high gloss finish surface

PROPERTIES		UNIT	TEST METHOD	CP23UC20	CP30UC20	CP36UC20
Nominal Thickness	Micron	Internal Gauge	Method	23	30	36
	Gauge			92	120	144
Yield	m²/kg			31.1	24	20
MECHANICAL PROPERTIES						
Tensile Strength	MD	kg/cm²	ASTM D-882	2100	2000	1900
	TD			2000	1900	1800
Elongation Break	MD	%	ASTM D-882	100	100	110
	TD			90	90	100
THERMAL PROPERTIES						
Thermal Shrinkage (at 150°C /5 mins)	MD	%	ASTM D-1204	2.4	2.4	2.4
	TD			0.4	0.4	0.4
SURFACE PROPERTIES (Max)						
COF (Film to Film)	Static	-	ASTM D-1894	0.46	0.46	0.46
	Dynamic			0.40	0.40	0.40
SURFACE TENSION						
Plain Side	Dyne/cm		ASTM D-2578	44	44	44
Coated Side				42	42	42
OPTICAL PROPERTIES						
Haze (Max)	%		ASTM D-1003	<1.0	<1.0	<1.0
Light Transmission			ASTM D-1003	94	94	94
BARRIER PROPERTIES						
WVTR, 37.7°C, 90% RH	gm/m² /day		ASTM F-1249	40	40	40
O2 Permeability 23°C, 0%RH	cm³/m² /day		ASTM D-3985-95	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.