

CHEMICAL COATED BOPET FILM

PRODUCT DESCRIPTION

Chiripal Poly Films CPT61
Biaxially Oriented Transparent
Polyester film with Inside chemical
coated and Outside Corona
treatment.

Chemical coated side is suitable for
Metallizing

This film is also available as Inside
corona treatment and Outside
chemical coated

FEATURES

- Excellent stiffness & mechanical properties.
- Chemical coatingside enhances the ink adhesion in printing, and resulting a good laminate bond strength
- This is suitable for Metallization and give excellent metal adhesion with high performance adhesive
- Excellent transparency and surface properties.
- Suitable for solvent based ink system.
- Excellent machine ability & dimensional stability over a wide range of temperature.

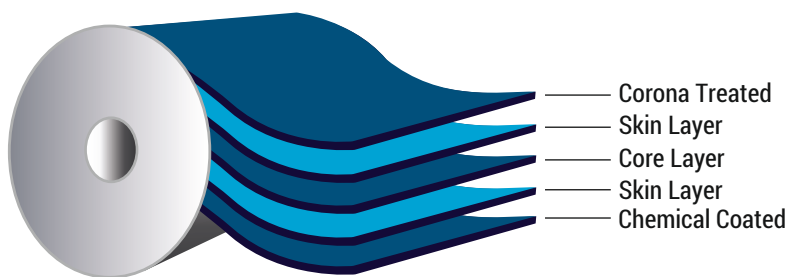
APPLICATION

- This film is suitable for metallized version :
- Hot fills and other aggressive medium
- Aseptic packaging (BIB Application)
- Suitable for retort and pasteurization

PROPERTIES		UNIT	TEST METHOD	CP08T61	CP10T61	CP12T61
Nominal Thickness	Micron	Internal Gauge	Method	8	10	12
	Gauge			32	40	48
Yield	m²/kg			89.2	71.4	59.6
MECHANICAL PROPERTIES (Min)						
Tensile Strength	MD	kg/cm²	ASTM D-882	2200	2200	2200
	TD			2100	2100	2100
Elongation Break	MD	%	ASTM D-882	100	100	100
	TD			90	90	90
THERMAL PROPERTIES (Max)						
Thermal Shrinkage (at 150°C /30 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	0.48	0.48	0.48
	Dynamic			0.42	0.42	0.42
SURFACE TENSION						
Coated Side	Dyne/cm		ASTM D-2578	44	44	44
Corona Treated Side				54	54	54
OPTICAL PROPERTIES						
Haze (Max)	%		ASTM D-1003	3.0	3.0	3.0
Light Transmission			ASTM D-1003	88	88	88
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.



CHEMICAL COATED BOPET FILM

PRODUCT DESCRIPTION

Chiripal Poly Films CPT81 is Biaxially Oriented Polyester Transparent film with Inside chemical coated and Outside Corona treated. Chemical coated side is suitable for Printing and Metallizing.

This is also available as Inside Corona treatment and Outside chemical coated

FEATURES

- ▶ Excellent stiffness & mechanical properties.
- ▶ Chemical coating enhances the ink adhesion in printing and metal adhesion in metalizing.
- ▶ Very Good surface properties along with excellent transparency.
- ▶ Excellent machine ability & dimensional stability over a wide range of temperature.
- ▶ Suitable for solvent based inks and Adhesives system

APPLICATION

- ▶ Suitable for hot fills like ketchup, mayonnaise and some kind of aggressive liquid like liquid detergent, Liquid Juice, Pesticides etc.
- ▶ Suitable for retort and pasteurization

PROPERTIES		UNIT	TEST METHOD	CP08T81	CP10T81	CP12T81
Nominal Thickness		Micron	Internal Method	8	10	12
		Gauge		32	40	48
Yield		m²/kg		89.2	71.4	59.6
MECHANICAL PROPERTIES (Min)						
Tensile Strength	MD	kg/cm²	ASTM	2200	2200	2200
	TD		D-882	2100	2100	2100
Elongation Break	MD	%	ASTM	100	100	100
	TD		D-882	90	90	90
THERMAL PROPERTIES (Max)						
Thermal Shrinkage (at 150°C /30 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	0.54	0.54	0.54
	Dynamic		D-1894	0.48	0.48	0.48
SURFACE TENSION						
Coated Side		Dyne/cm	ASTM D-2578	54	54	54
Corona Treated Side				58	58	58
OPTICAL PROPERTIES						
Haze (Max)		%	ASTM D-1003	3.0	3.0	3.0
Light Transmission			ASTM D-1003	88	88	88
Gloss @45°			Internal Method	124	124	124
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.