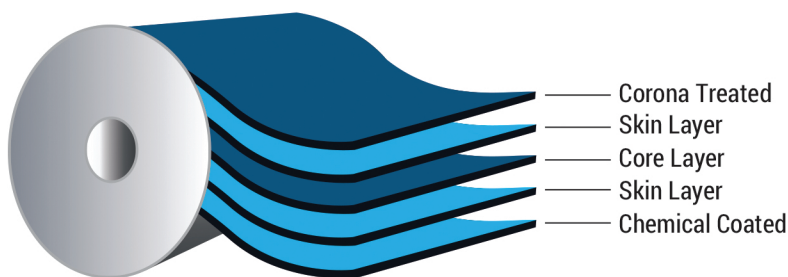


CL-T31-BIO-TRANS-CHEM-CRNO1



PRODUCT DESCRIPTION

PHC Poly Films CPT31 is Biaxially Oriented Polyester Transparent film with Inside chemical coated and Outside Corona treated. 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 water and solvent based ink system

APPLICATION

- ▶ Packaging for dry food & Confectionary like milk powder, tea, coffee, Juice in powder form etc
- ▶ It is also suitable for less aggressive medium like shampoo, honey, liquor, oil etc.
- ▶ This is not recommended for Hot fills or aggressive medium

CHEMICAL COATED BOPET FILM

PROPERTIES		UNIT	TEST METHOD	CP08T31	CP10T31	CP12T31	CP19T31
Nominal Thickness		Micron	Internal Method	8	10	12	19
		Gauge		32	40	48	76
Yield		m²/kg		89.2	71.4	59.6	37.6
MECHANICAL PROPERTIES (Min)							
Tensile Strength	MD	kg/cm²	ASTM	2200	2200	2200	2100
	TD		D-882	2100	2100	2100	2000
Elongation Break	MD	%	ASTM	100	100	100	100
	TD		D-882	90	90	90	90
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							
Corona Treated Side		Dyne/cm	ASTM D-2578	54	54	54	54
Coated Side				56	56	56	56
OPTICAL PROPERTIES							
Haze (Max)		%	ASTM D-1003	3.0	3.0	3.0	3.5
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 : 23 / 36 Micron is available on request

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. PILCHER 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.