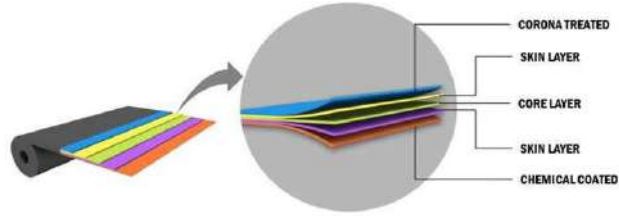


PRODUCT DESCRIPTION

Poly Films CPT21 is Biaxially Oriented Polyester Transparent film with Inside chemical coated and Outside Corona treated. Chemical coated side is suitable for Printing. This is also available as Inside Corona treatment and Outside chemical coated



PRODUCT FEATURES

- Excellent stiffness & mechanical properties.
- Chemical coating side enhances the ink adhesion in printing, and resulting a good laminate bond strength
- Excellent transparency and surface properties.
- Suitable for UV and solvent based ink system.
- Excellent machine ability & dimensional stability over a wide range of temperature.

APPLICATIONS

- Used for packaging food and non-food like tea, coffee, shampoo, pesticides liquid detergent etc.
- Used for carton laminates and liquid packaging

PROPERTIES	UNIT	TEST METHOD	CP08T21	CP10T21	CP12T21	
NOMINAL THICKNESS	Micron	Method	8	10	12	
	Gauge		32	40	48	
YIELD	m2/kg	Method	89.2	71.4	59.6	
MECHANICAL PROPERTIES (MIN)						
TENSILE STRENGTH	MD	kg/cm ²	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)						
COEFFICIENT OF FRICTION (Film to Film), A/B surface	STATIC	-	ASTM D-1894	0.46	0.46	0.46
	DYNAMIC			0.36	0.36	0.36
COEFFICIENT OF FRICTION (Film to Film), A/A-Coated/coated	STATIC	-	ASTM D-1894	0.32	0.32	0.32
	DYNAMIC			0.28	0.28	0.28
SURFACE TENSION						
COATED SIDE	Dyne/cm	ASTM D-2578	42	42	42	
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 ² /day	ASTM F 1249	40	40	40	
O ₂ PERMEABILITY 23°C, 0% RH	cm ³ /m ² /day	ASTM D 3985-95	130	130	130	

Note: MD – Machine Direction, TD – Transverse Direction

FOOD CONTACT

Poly Films complies with EC and FDA regulations. Specific documents and MSDS are available upon request

STORAGE & HANDLING

A storage temperature below 30°C & humidity 55±5 % is recommended in order to avoid any deterioration of the film surface properties. Excess humidity and heat can cause problem such as fast treatment decay, which can affect the quality of printing and coating. It is advisable to use the material on FIFO basis.

DISCLAIMER

The property given in the technical data sheet do not constitute product specification but represent typical performance values based on the best of our know ledge and believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability / compatibility in all respects. Poly film does not guarantee the typical values. Poly reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information.