



**PRODUCT DESCRIPTION**

CPT20 is Biaxial Oriented Transparent Polyester film with inside chemical coated and outside plain. Chemical coated side is suitable for Printing.  
 This is also available as outside chemical coated and inside plain

**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**

- Suitable for packaging food and non-food like tea, coffee, shampoo, pesticides liquid detergent etc.
- Suitable for carton lamination (UV Inks or coatings)  
 \* Suitable for liquid packaging

PROPERTIES	UNIT	TEST METHOD	CP08T20	CP10T20	CP12T20	CP19T20	CP23T20	CP36T20	
NOMINAL THICKNESS	Micron Gauge	Factory Method	8	10	12	19	23	36	
YIELD	m2/kg	Factory Method	89.2	71.4	59.6	37.6	31.1	19.8	
<b>MECHANICAL PROPERTIES (MIN)</b>									
TENSILE STRENGTH	MD	kg/cm²	ASTM D-882	2200	2200	2200	2200	2100	1900
	TD			2100	2100	2100	2100	2000	1800
ELONGATION BREAK	MD	%	ASTM D-882	100	100	100	100	100	110
	TD			90	90	90	90	90	100
<b>THERMAL PROPERTIES (MAX)</b>									
THERMAL SHRINKAGE (at 150°C / 30 mins)	MD	%	ASTM D-1204	2.4	2.4	2.4	2.4	2.4	2.4
	TD			0.4	0.4	0.4	0.4	0.4	0.4
<b>SURFACE PROPERTIES (MAX)</b>									
COEFFICIENT OF FRICTION (Film to Film)	STATIC	-	ASTM D-1894	0.44	0.44	0.44	0.44	0.44	0.44
	DYNAMIC			0.34	0.34	0.34	0.34	0.34	0.34
<b>SURFACE TENSION</b>									
PLAIN SIDE	Dyne/cm	ASTM D-2578	44	44	44	44	44	44	
COATED			42	42	42	42	42	42	
<b>OPTICAL PROPERTIES</b>									
HAZE (MAX)	%	ASTM D-1003	3.0	3.0	3.0	3.5	4.0	4.5	
LIGHT TRANSMISSION	%	ASTM D-1003	88	88	88	88	88	88	
<b>BARRIER PROPERTIES</b>									
WVTR, 37.7°C, 90% RH	gm/m²/day	ASTM F 1249	40	40	40	40	40	40	
			130	130	130	130	130	130	
O2 PERMEABILITY 23°C, 0% RH	cm³/m²/day	ASTM D 3985-95							

Note: MD – Machine Direction, TD – Transverse Direction

**FOOD CONTACT**

CP 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 knowledge 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. Factory doesn't guarantee the typical values. Factory reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information.