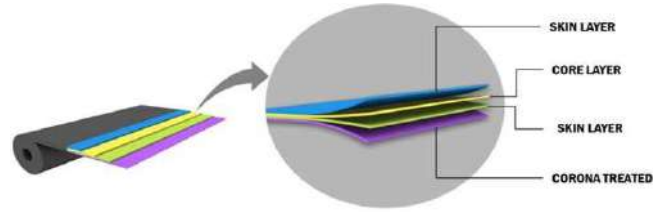


PRODUCT DESCRIPTION

Poly Films CPT10 is Bi-axially Oriented Transparent Polyester film with one side corona and other side plain. The corona side is suitable for Printing or lamination



PRODUCT FEATURES

- Excellent stiffness & mechanical properties.
- Excellent transparency and surface properties
- Corona side enhances the ink and metal adhesion
- Excellent machine ability & dimensional stability over a wide range of temperature.

APPLICATIONS

- Packaging (food and non- food) application
- Carton lamination with solvent based inks system
- Metallizing application

| PROPERTIES | | UNIT | TEST METHOD | CP08T10 | CP10T10 | CP12T10 |
|---|---------|--------------------------------------|----------------|---------|---------|---------|
| NOMINAL THICKNESS | Micron | | Method | 8 | 10 | 12 |
| | Gauge | | | 32 | 40 | 48 |
| YIELD | | m ² /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) | STATIC | - | ASTM D-1894 | 0.48 | 0.48 | 0.48 |
| | DYNAMIC | | | 0.42 | 0.42 | 0.42 |
| SURFACE TENSION | | | | | | |
| PLAIN 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 ³ /m 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 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. 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.