



CLEAR FILM BOPET FILM

PRODUCT DESCRIPTION

Chiripal Poly Films CPC10 is Biaxially Oriented Clear transparent Polyester film with inside corona and outside Plain.

Corona side is suitable for Printing, coatings or metallizing.

This film is also available with inside plain and other side corona treated.

FEATURES

- ▶ Excellent clarity and transparency
- ▶ Good adhesion to inks, lacquers and adhesive
- ▶ Excellent mechanical & thermal properties

APPLICATION

- ▶ Printing, labels, imaging and other industrial application
- ▶ Metallizing for "mirror finish"

| PROPERTIES | | UNIT | TEST METHOD | CP23C01 | CP30C01 | CP36C01 |
|---|---------|----------------|-----------------|---------|---------|---------|
| Nominal Thickness | | Micron | Internal Method | 23 | 30 | 36 |
| | | Gauge | | 92 | 120 | 144 |
| Yield | | m²/kg | | 31.1 | 24 | 20 |
| MECHANICAL PROPERTIES | | | | | | |
| Tensile Strength | MD | kg/cm² | ASTM | 2100 | 2000 | 1900 |
| | TD | | D-882 | 2000 | 1900 | 1800 |
| Elongation Break | MD | % | ASTM | 100 | 100 | 110 |
| | TD | | D-882 | 90 | 90 | 100 |
| THERMAL PROPERTIES | | | | | | |
| Thermal Shrinkage (at 150°C /5 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 | 0.54 | 0.54 | 0.54 |
| | Dynamic | | | 0.46 | 0.46 | 0.46 |
| 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 | <2.0 | <2.0 | <2.0 |
| Light Transmission | | | ASTM D-1003 | 92.0 | 92.0 | 92.0 |
| 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.