



## BALANCED SHRINKAGE BOPET FILM

### PRODUCT DESCRIPTION

Chiripal Poly Films CPB00 is Bi-axially Oriented Transparent Polyester film with both sides plain. This film having balanced shrinkage characteristics

### FEATURES

- Excellent stiffness & mechanical properties
- Excellent transparency and surface properties
- Excellent machinability and dimensional stability over a wide temperature range
- Balanced Shrinkage in MD & TD

### APPLICATION

- Extrusion lamination and coating

| PROPERTIES                               |         | UNIT           | TEST METHOD    | CP08B00 | CP10B00 | CP12B00 |
|------------------------------------------|---------|----------------|----------------|---------|---------|---------|
| Nominal Thickness                        | Micron  | Internal Gauge | Method         | 8       | 10      | 12      |
|                                          | Gauge   |                |                | 32      | 40      | 48      |
| Yield                                    | m²/kg   |                |                | 89.2    | 71.4    | 59.6    |
| MECHANICAL PROPERTIES                    |         |                |                |         |         |         |
| Tensile Strength                         | MD      | kg/cm²         | ASTM           | 2300    | 2300    | 2300    |
|                                          | TD      |                | D-882          | 2200    | 2200    | 2200    |
| Elongation Break                         | MD      | %              | ASTM           | 100     | 100     | 100     |
|                                          | TD      |                | D-882          | 90      | 90      | 90      |
| THERMAL PROPERTIES                       |         |                |                |         |         |         |
| Thermal Shrinkage<br>(at 150°C /30 mins) | MD      | %              | ASTM           | 2.0     | 2.0     | 2.0     |
|                                          | TD      |                |                | D-1204  | 2.0     | 2.0     |
| SURFACE PROPERTIES (Max)                 |         |                |                |         |         |         |
| COF<br>(Film to Film)                    | Static  | -              | ASTM           | 0.48    | 0.48    | 0.48    |
|                                          | Dynamic |                | D-1894         | 0.42    | 0.42    | 0.42    |
| SURFACE TENSION                          |         |                |                |         |         |         |
| Plain Side                               |         | Dyne/cm        | ASTM           | 44      | 44      | 44      |
|                                          |         |                | D-2578         |         |         |         |
| OPTICAL PROPERTIES                       |         |                |                |         |         |         |
| Haze (Max)                               |         | %              | ASTM           | 3.0     | 3.0     | 3.0     |
| Light Transmission                       |         |                | D-1003         | 88      | 88      | 88      |
|                                          |         |                | D-1003         |         |         |         |
| 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.