



## HIGH FRICTION BOPET FILM

### PRODUCT DESCRIPTION

Chiripal Poly Films CPTHF20 is Biaxially Oriented Polyester Transparent film with one side modified surface and other side chemical coated.

Modified surface is suitable for Anti-skid or High friction characteristics and coated side will provide excellent printability.

This is also available as Inside plain and otherside chemical coated also.

### FEATURES

- Modified surface for better Anti skid properties
- Excellent stiffness & mechanical properties.
- Excellent transparency and surface properties.
- Suitable for UV and solvent based ink system.
- Excellent machine ability & dimensional stability over a wide range of temperature.

### APPLICATION

- Used for Big bags or pouches for better stackability

| PROPERTIES                               |        | UNIT        | TEST METHOD     | CP12THF20 | CP23THF20 | CP36THF20 |
|--|--------|-------------|-----------------|-----------|-----------|-----------|
| Nominal Thickness                        |        | Micron      | Internal Method | 12        | 23        | 36        |
|  |        | Gauge       |                 | 48        | 92        | 144       |
| Yield                                    |        | m²/kg       |                 | 59.6      | 31.1      | 19.8      |
| MECHANICAL PROPERTIES (Min)              |        |             |                 |           |           |           |
| Tensile Strength                         | MD     | kg/cm²      | ASTM            | 2200      | 2100      | 1900      |
|  | TD     |             | D-882           | 2100      | 2000      | 1800      |
| Elongation Break                         | MD     | %           | ASTM            | 100       | 100       | 110       |
|  | TD     |             | D-882           | 90        | 90        | 100       |
| THERMAL PROPERTIES (Max)                 |        |             |                 |           |           |           |
| Thermal Shrinkage<br>(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)                 |        |             |                 |           |           |           |
| COF (A/A)                                | Static | -           | ASTM D-1894     | >1.0      | >1.0      | >1.0      |
| SURFACE TENSION                          |        |             |                 |           |           |           |
| Coated Side                              |        | Dyne/cm     | ASTM D-2578     | 42        | 42        | 42        |
| Plain Side                               |        |             |                 | 44        | 44        | 44        |
| OPTICAL PROPERTIES                       |        |             |                 |           |           |           |
| Haze (Max)                               |        | %           | ASTM D-1003     | 1.4       | 1.5       | 2.5       |
| Light Transmission                       |        |             |                 | 90        | 90        | 90        |
| 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.