

Mitsubishi Chemical America, Inc.

## Product Bulletin

**Description**

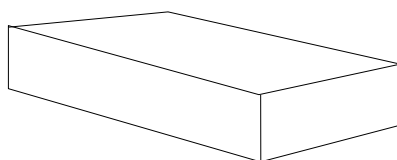
Hostaphan® MTB1 is a matte polyester film with a medium gloss surface.

**Performance**

Hostaphan® MTB1 film is designed for markets requiring a matte surface. It is designed for use in applications where the thermal behavior during processing requires a more balanced MD/TD shrinkage.

**Benefits**

- Medium gloss surface
- Good dimensional stability
- Excellent handling characteristics

**Schematic of Hostaphan® MTB1**

PET Base Film  
(Translucent)

## Typical Properties of Hostaphan® MTB1 Film

The Hostaphan® MTB1 property values below are typical measurements. Further guidance on series selection, functional behavior by end use, film processing, standard roll configuration and gauges is available through a Polyester Film Sales Representative.

| Property                       |         | Unit of Measure                                  | Typical Value | Test Method      |
|--------------------------------|---------|--|---------------|------------------|
| Nominal Thickness*             |         | gauge  | 48            | ASTM E 252       |
| Total Transmission             |         | %  | 87            | ASTM D 1003      |
| 60° Gloss (side A)<br>(side B) |         | %  | 38<br>38      | Gloss Meter      |
| Area Yield                     |         | in <sup>2</sup> •mil/lb<br>m <sup>2</sup> •µm/kg | 19,800<br>717 | ASTM D 4321      |
| Tensile Strength               | MD      | psi  | 26,000        | ASTM D 882       |
|                                | TD      | psi  | 34,000        |                  |
| Modulus                        | MD      | psi  | 440,000       | ASTM D 882       |
|                                | TD      | psi  | 560,000       |                  |
| Ultimate Elongation            | MD      | %  | 120           | ASTM D 882       |
|                                | TD      | %  | 65            |                  |
| Shrinkage                      | MD      | %  | 2.0           | 30 min. at 150°C |
|                                | TD      | %  | 1.5           |                  |
| Coefficient of Friction (A/B)  | Static  | --   | 0.30          | ASTM D 1894      |
|                                | Kinetic | --   | 0.25          |                  |
| Density                        |         | g/cm <sup>3</sup>                                | 1.40          | ASTM D 1505      |

\* Values for reference data only. Contact a Polyester Film Sales Representative for all available gauges.

Approved KT 12/2008

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