

Mitsubishi Chemical America, Inc.

## Description

Hostaphan® MT0R is a matte polyester film with a medium gloss surface. It is chemically primed on one side for enhanced adhesion.

## Performance

Hostaphan® MT0R film is designed for markets requiring a matte surface. The primed surface provides enhanced adhesion to solvent based inks, coatings, and adhesives, as well as vacuum deposited metal. Printing fine detail images on MT0R can only be printed with flexographic printing, rotogravure printing of detailed images is not recommended on this film.

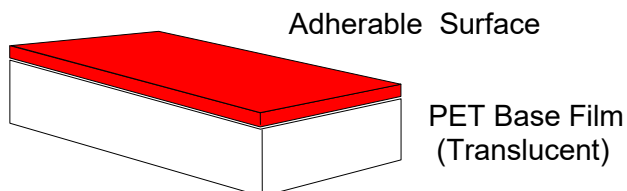
## FDA Status

Both sides of Hostaphan® MT0R can be used for direct food contact applications subject to limitations found in 21 CFR 177.1630. Contact a Polyester Film Sales Representative for more information.

## Benefits

- Medium gloss surface
- Good dimensional stability
- Excellent handling characteristics
- Low TD shrinkage
- Inks, barrier coatings, adhesives and metallization may be applied to the chemically primed side without additional priming or corona treatment.
- Standard gauge: 48

## Schematic of Hostaphan® MT0R



## Typical Properties of Hostaphan® MT0R Film

The Hostaphan® MT0R 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                     | %                    |            | 38                 | Gloss Meter                   |
| Area Yield                    | in <sup>2</sup> / lb |            | 41254              | ASTM D 4321                   |
| Tensile Strength              | MD<br>TD             | psi<br>psi | 26,000<br>34,000   | ASTM D 882                    |
| Modulus                       | MD<br>TD             | psi<br>psi | 440,000<br>560,000 | ASTM D 882                    |
| Ultimate Elongation           | MD<br>TD             | %          | 120<br>65          | ASTM D 882                    |
| Shrinkage                     | MD<br>TD             | %          | 1.9<br>0.4         | 30 min. at 150°C              |
| Coefficient of Friction (A/B) | Static<br>Kinetic    | --<br>--   | 0.30<br>0.25       | ASTM D 1894                   |
| Density                       | g/cm <sup>3</sup>    |            | 1.40               | ASTM D 1505                   |
| Surface Energy                | coated side          |            | 43                 | Internal test (contact angle) |

\* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges available.  
Approved KE 5/2016

Mitsubishi Chemical America, Inc. • PO Box 1400 • 2001 Hood Road • Greer, SC 29652 • 864-879-5000 • 864-879-5006 • [www.m-petfilm.com](http://www.m-petfilm.com)

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