

Mitsubishi Chemical America, Inc.

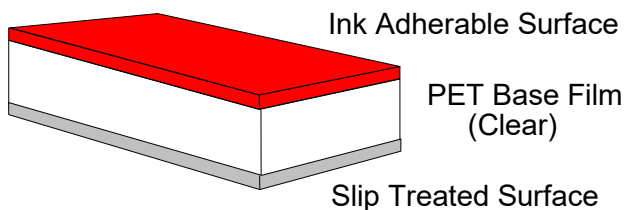
Description

Hostaphan® 42DI is a clear polyester film that is chemically primed on one side to promote adhesion of *indigo*® liquid toner inks, and chemically primed on the opposite side to promote slip and improve handling. It combines high strength, durability, and optical clarity.

Performance

Hostaphan® 42DI is designed for markets requiring clarity, ink adherability and surface properties necessary for singulation and collation. Hostaphan® 42DI is used for digital liquid toner printing.

Schematic of Hostaphan® 42DI



Benefits

- One side chemically primed for liquid toner
- Opposite side chemically treated to provide the surface necessary for collation and singulation from a stack of sheets
- Excellent color and clarity
- Most dry erase markers can be wiped off slip side

Typical Properties of Hostaphan® 42DI Film

The Hostaphan® 42DI 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 |
|-----------------------------|----------|--|-------------------|------------------|
| Area Yield | | in ² •mil/lb m ² •µm/kg | 19,800 717 | ASTM D 4321 |
| Tensile Strength | MD | psi kg/cm ² | 30,000 2,110 | ASTM D 882 |
| Yield Strength (F5) | MD | psi kg/cm ² | 15,000 1,050 | ASTM D 882 |
| Ultimate Elongation | MD | % | 140 | ASTM D 882 |
| Modulus | MD | psi kg/cm ² | 500,000 35,200 | ASTM D 882 |
| Coefficient of Friction A/B | Kinetic | -- | TBD | ASTM D 1894 |
| Shrinkage | MD TD | % | 1.0 0.0 | 30 min. at 150°C |
| Density | | g/cm ³ | 1.3975 | ASTM D 1505 |
| Total Haze* | | % | 300 gauge 2.0 | ASTM D-1003 |

* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges available.
Approved DJ 1/2009

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