Description

Hostaphan® 2602N polyester film is chemically primed for enhanced adhesion. It combines high strength and flexibility, good dimensional stability and excellent chemical resistance.

Performance

Hostaphan® 2602N film has excellent slip and good dimensional stability over a wide temperature range. The primed surface provides enhanced adhesion to both aqueous and solvent based inks, coatings, adhesives and metallization. It can be coated or metallized to enhance barrier properties. This product is designed specifically for use in packaging applications. Hostaphan® 2602N is not recommended for applications subject to severe retort conditions.

Benefits

- Available in one side primed
- Enhanced adhesion of both aqueous and solvent based inks, coatings and adhesives
- Significantly improved metal adhesion
- High surface energy provides excellent wet out for a variety of inks, coatings and adhesives
- Most inks, barrier coatings, adhesives and metallization may be applied to the chemically primed side without additional priming or corona treatment
- Excellent handling characteristics

Schematic of Hostaphan® 2602N

Aqueous/Solvent Adherable Surface

PET Base Film (Moderate Haze)

FDA Status

The plain side of Hostaphan® 2602N can be used for direct food contact applications subject to limitations found in 21 CFR 177.1630 and in accordance with good manufacturing practices. The chemically primed surface of 2602N can be used in direct contact with dry and fatty foods and with aqueous foods under low temperature conditions. Please contact your Mitsubishi Polyester Film Sales Representative for more information.
Typical Properties of Hostaphan® 2602N Film

The Hostaphan® 2602N 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 Mitsubishi Polyester Film Sales Representative.

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit of Measure</th>
<th>Typical Value*</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area Yield</td>
<td>in²•mil/lb, m²•µm/kg</td>
<td>19,800, 717</td>
<td>ASTM D 4321</td>
</tr>
<tr>
<td>Tensile Strength MD</td>
<td>psi/µm²</td>
<td>32,000, 2,250</td>
<td>ASTM D 882</td>
</tr>
<tr>
<td>Yield Strength (F5) MD</td>
<td>psi/µm²</td>
<td>15,000, 1,050</td>
<td>ASTM D 882</td>
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<tr>
<td>Ultimate Elongation MD</td>
<td>%</td>
<td>100</td>
<td>ASTM D 882</td>
</tr>
<tr>
<td>Modulus</td>
<td>psi/µm²</td>
<td>600,000, 42,200</td>
<td>ASTM D 882</td>
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<tr>
<td>Coefficient of Friction A/B</td>
<td></td>
<td>0.40, 0.37</td>
<td>ASTM D 1894</td>
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<tr>
<td>Shrinkage MD</td>
<td>%</td>
<td>1.9, 0.4</td>
<td>30 min. at 150°C</td>
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<tr>
<td>Tear Strength MD</td>
<td>g/mil, g/µm</td>
<td>20, 0.8</td>
<td>ASTM D 1922</td>
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<tr>
<td>Moisture Vapor Transmission Rate</td>
<td>g/100 in²•24 hr, g/m²•24 hr</td>
<td>3.7, 57</td>
<td>ASTM E 96, E</td>
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<tr>
<td>Oxygen Transmission Rate</td>
<td>cc/100 in³•24 hr•atm, cc/m³•24 hr•atm</td>
<td>9.1, 141</td>
<td>ASTM D 3985</td>
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<tr>
<td>Density</td>
<td>g/cm³</td>
<td>1.395</td>
<td>ASTM D 1505</td>
</tr>
<tr>
<td>Total Haze*</td>
<td>%</td>
<td>2.7, 3.5, 3.9, 5.7</td>
<td>ASTM D-1003</td>
</tr>
</tbody>
</table>

* Values for reference data only. Contact a Mitsubishi Polyester Film Sales Representative for actual gauges available.

Approved RS 2/17