Description

Hostaphan® 2MS0N is an untreated polyester film. It combines high strength, durability, and excellent chemical resistance with a balanced high shrinkage.

Performance

Hostaphan® 2MS0N has excellent slip and handles well even in the thinnest gauges. It is designed for use in applications that require a high, balanced MD/TD shrinkage.

Benefits

- Balanced high shrinkage
- Excellent handling characteristics
- Available gauges: 65, 150

Schematic of Hostaphan® 2MS0N

PET Base Film (Moderate Haze)
The Hostaphan® 2MS0N property values below are typical measurements. Further guidance on 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</td>
<td>19,800</td>
<td>ASTM D 4321</td>
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<tr>
<td></td>
<td>m²•mm/kg</td>
<td>717</td>
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<tr>
<td>Tensile Strength MD</td>
<td>psi</td>
<td>33,000</td>
<td>ASTM D 882</td>
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<td></td>
<td>kg/cm²</td>
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<tr>
<td>Yield Strength (F5) MD</td>
<td>psi</td>
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<td></td>
<td>kg/cm²</td>
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<tr>
<td>Ultimate Elongation MD</td>
<td>%</td>
<td>90</td>
<td>ASTM D 882</td>
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<td></td>
<td>TD</td>
<td>60</td>
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<tr>
<td>Modulus</td>
<td>psi</td>
<td>500,000</td>
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<tr>
<td></td>
<td>kg/cm²</td>
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</tr>
<tr>
<td>Coefficient of Friction A/B</td>
<td>Static, Kinetic</td>
<td>--</td>
<td>ASTM D 1894</td>
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<tr>
<td></td>
<td>Static</td>
<td>0.40</td>
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<td>Kinetic</td>
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<tr>
<td>Shrinkage</td>
<td>%</td>
<td>6.0</td>
<td>5 min. at 75°C</td>
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<tr>
<td></td>
<td>MD</td>
<td>6.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TD</td>
<td>33.0</td>
<td>5 min. at 105°C</td>
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<tr>
<td></td>
<td>MD</td>
<td>33.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TD</td>
<td>35.0</td>
<td>5 min. at 150°C</td>
</tr>
<tr>
<td></td>
<td>MD</td>
<td>35.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TD</td>
<td>37.0</td>
<td>5 min. at 175°C</td>
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<tr>
<td></td>
<td>MD</td>
<td>37.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TD</td>
<td>38.0</td>
<td>5 min. at 190°C</td>
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<tr>
<td></td>
<td>MD</td>
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<tr>
<td>Density</td>
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<td>Total Haze*</td>
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<td>ASTM D-1003</td>
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<td>150 ga.</td>
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<td>6.5</td>
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* Values for reference data only. Contact a Mitsubishi Polyester Film Sales Representative for actual gauges available.

Approved RS 5/2016