TRANSPROP™ MOPPHT

DESCRIPTION:
TransProp MOPPHT is a non-heat sealable monoaxially oriented polypropylene film highly tensilized for tape applications. All MOPP films are available in clear, black, white or any other custom color or tint. Standard film is non-treated but high energy treatment is available upon request.
(Also available in 120, 400, 800, and 1000ga)

CHARACTERISTICS:
- Low MD elongation
- High MD tensile strength
- Straight-line tear propagation, MD
- High tear resistance TD
- High moisture barrier
- Excellent folding endurance
- Slow burn ratio

FDA STATUS:
FDA approved grades available upon request

TECHNICAL DATA:

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>UNIT OF MEASURE</th>
<th>TYPICAL VALUE</th>
<th>TEST METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>Gauge</td>
<td>150 200 300 500</td>
<td>-</td>
</tr>
<tr>
<td>Yield</td>
<td>in²/lb.</td>
<td>20,400 15,300 10,200 6,120</td>
<td>-</td>
</tr>
<tr>
<td>Tensile Strength MD</td>
<td>psi</td>
<td>50,000 50,000 50,000 50,000</td>
<td>ASTM D882</td>
</tr>
<tr>
<td>Tensile Strength TD</td>
<td>psi</td>
<td>5,600 5,600 5,600 5,600</td>
<td>ASTM D882</td>
</tr>
<tr>
<td>Elongation at Break MD</td>
<td>%</td>
<td>40 40 40 40</td>
<td>ASTM D882</td>
</tr>
<tr>
<td>Elongation at Break TD</td>
<td>%</td>
<td>10 10 10 10</td>
<td>ASTM D882</td>
</tr>
<tr>
<td>Haze</td>
<td>%</td>
<td>N/A N/A N/A N/A</td>
<td>ASTM D1003</td>
</tr>
<tr>
<td>Heat Shrinkage MD</td>
<td>%</td>
<td>1.0 1.0 1.0 1.0</td>
<td>10 min at 212°F</td>
</tr>
<tr>
<td>Heat Shrinkage TD</td>
<td>%</td>
<td>0.5 0.5 0.5 0.5</td>
<td>10 min at 212°F</td>
</tr>
<tr>
<td>Surface Tension</td>
<td>Dyne</td>
<td>38 38 38 38</td>
<td>ASTM D2578</td>
</tr>
<tr>
<td>Cold-crack temperature</td>
<td>°F</td>
<td>-55° -55° -55° -55°</td>
<td>-</td>
</tr>
<tr>
<td>Heat-set temperature</td>
<td>°F</td>
<td>280° 280° 280° 280°</td>
<td>-</td>
</tr>
<tr>
<td>Melt temperature</td>
<td>°F</td>
<td>333° 333° 333° 333°</td>
<td>-</td>
</tr>
</tbody>
</table>

All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the “Information”) shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own test. Transcendia shall have no liability as a result of any loss, expense, damage, cost or other injury which results from Purchaser’s reliance on the information.

Revision Date: 10/24/2016