PRODUCT DESCRIPTION

ARflow® 93127 is a selfwound product which utilizes an advanced hydrophilic coating on a single side of a polyester film. It is backside printable and can be provided on a variety of PET thickness and color carrier films.

FEATURES

- Clear coating
- Printable backside
- Thermally stable
- Consistent
- Stable in assembled devices
- Prevents fogging
- Dimensionally stable

BENEFITS

- Fast, stable capillary fills
- Clear construction for verification of wicking
- Proven chemical compatibility in biosensors
- Thermally stable up to 125°C for ink curing
- Printable PET backside for brand identification

PRODUCT APPLICATIONS

Suggested for use as a backside printable lid stock for In Vitro Diagnostic devices (IVD) and any applications requiring hydrophilic properties. Users should assure the product meets the specific needs of their application(s). Adhesives Research can tailor the product to meet the needs of specific applications as requested by customers.

PRODUCT PROFILE AND DIAGRAM

Clear Polyester Carrier Film: 3.0 mil
Clear Hydrophilic Coating: less than 1 micron

PERFORMANCE PROPERTIES – Typical Values

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Angle</td>
<td>~40°</td>
</tr>
<tr>
<td>Mock Capillary Fill Time¹</td>
<td>2-3 seconds</td>
</tr>
<tr>
<td>Backside Printability²</td>
<td>Pass</td>
</tr>
</tbody>
</table>

¹ 5.08cm X 0.25mm x 1mm capillary fill time, Developmental ART
² Printability, ART#2017

*All stated values are nominal and should only be used as a guide for selection. They are not specifications.

STORAGE AND SHELF LIFE

One year from date of manufacturing when stored at 70 °F ± 20 °F (21 °C) and 50% ± 20% relative humidity, out of direct sunlight.

ROLL SIZE AVAILABILITY

Coated material yields 28” (0.71 m) width. Material can be slit to order. Standard widths from 0.5” (12.5 mm) to 28.0” (0.71m). Standard slitting tolerance: +/- 1/32” (+/- .8 mm). Tighter slitting tolerance may be available on request.
APPLICATION AND STORAGE OF PRESSURE-SENSITIVE ADHESIVE TAPES

Pressure-sensitive adhesive tapes function as a mechanical product; however, the adhesive itself is a chemical composition that can be sensitive to environmental conditions. A purchaser of pressure-sensitive adhesive products should be aware of the shelf life of each product and not purchase more than it can use before the expiration date. Shipping and storage conditions affect shelf life. The optimum storage temperature is 70 °F (21 °C). Cool, dry storage is recommended.

For best results…

1) The surfaces you wish to bond should be clean and free of oil, moisture and dust. If the surface temperature is below 40 °F, it may be difficult to achieve a proper bond.
2) Do not use a pressure-sensitive adhesive product where it will be exposed to temperatures lower or higher than those designated for each product. Heat can destroy the effectiveness of the bond and extreme cold can cause the adhesive to harden and not adhere properly.
3) When the tape is applied, use firm hand or lamination pressure to achieve contact between the adhesive and the surface to which it is applied. Hand rollers or nip rollers may be needed for certain products or applications.

Consult your AR sales representative if you need additional information.

WARRANTY AND DISCLAIMER

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