**PRODUCT DESCRIPTION**

ARflow® 93210 is a single-faced tape product which utilizes an advanced hydrophilic coating on a single side of a polyester film. The hydrophilic coated side is protected with a clear polyethylene film. The backside of the polyester film is printable.

**FEATURES**

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

**BENEFITS**

- Fast and stable capillary fills
- Clear construction for verification of wicking
- Proven chemical compatibility in biosensors
- 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**

<table>
<thead>
<tr>
<th>Clear Polyester Carrier Film:</th>
<th>4.0 mils</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear Hydrophilic Coating:</td>
<td>Less than 1 micron</td>
</tr>
<tr>
<td>Clear Polyethylene Liner:</td>
<td>1.5 mils</td>
</tr>
</tbody>
</table>

**ADHESIVE PERFORMANCE PROPERTIES – Typical Values**

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Angle</td>
<td>~20°</td>
</tr>
<tr>
<td>Mock Capillary Fill Time¹</td>
<td>2 – 3 seconds</td>
</tr>
<tr>
<td>Liner Release</td>
<td>Clean and easy</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**

Unconverted product should be stored at 70°F ± 20°F (21°C ± 11°C) and 50% ± 20% relative humidity, out of direct sunlight. The shelf life of the product is not to exceed six months from date of manufacture.
Note: The information contained on this data sheet is based upon test results of limited quantities of this material and may be modified by Adhesives Research following additional production experience and evaluation. This data should not be used in preparing specifications. Products identified as developmental may be subject to modification by Adhesives Research, Inc.

(2 March 2015)

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 Adhesives Research sales representative if you need additional information.

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