ARcare® 8311
Urethane Film

PRODUCT DESCRIPTION

ARcare® 8311 is a laminate consisting of a urethane film coated on one side with an acrylic, medical grade, pressure-sensitive adhesive and a kraft release liner. The adhesive side of the tape is protected by a siliconized kraft release liner. The patented MTT™ high moisture vapor transmission rate (MVTR) is a skin-friendly adhesive which enables long term wear.

FEATURES

- High MVTR
- Excellent adhesion to skin
- Absorbs moisture

BENEFITS

- Permits breathability
- Long-term wear
- Extends length of wear

PRODUCT PROFILE AND DIAGRAM

<table>
<thead>
<tr>
<th>Substrate:</th>
<th>1 mil urethane film</th>
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<tbody>
<tr>
<td>Adhesive:</td>
<td>HY-3 high MVTR medical grade adhesive</td>
</tr>
<tr>
<td>Liner:</td>
<td>60# siliconized kraft release paper</td>
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</tbody>
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PROPERTIES

<table>
<thead>
<tr>
<th>ATTRIBUTE</th>
<th>NOMINAL VALUE*</th>
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<tbody>
<tr>
<td>180º Peel Adhesion:</td>
<td>8 oz/in minimum</td>
</tr>
<tr>
<td>MVTR (37°C, 80% RH):</td>
<td>1000 g/m²/day minimum</td>
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<tr>
<td>Coat Weight:</td>
<td>0.5 oz/yd²</td>
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<tr>
<td>Product Thickness Without Liner:</td>
<td>1.6 mil</td>
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<tr>
<td>Product Thickness With Liner:</td>
<td>4.8 mil</td>
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*All stated values are nominal and should only be used as a guide for selection.

PRODUCT APPLICATIONS

Suggested as a component material for use in wound care and I.V. dressings. All pressure-sensitive tapes require an application surface that is clean and dry. 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.

SAFETY DATA

HY-3 is an acrylic, pressure-sensitive adhesive. The adhesive has passed cytotoxicity and primary skin irritation, repeat insult patch and USP Class VI tests conducted by an independent laboratory. Additional safety information is available upon request.

STORAGE

Unconverted rolls should be stored at 60-75 ºF and less than 65% relative humidity, out of direct sunlight.
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.

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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.

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AR limits the purchaser’s remedies in the event of a breach of any warranty. The purchaser’s exclusive remedy and AR’s obligations for a breach of any warranty shall be as set forth in the Sales Order Acknowledgment.

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