PRODUCT DESCRIPTION

ARclad® 8314-19 is a thick, double-coated acrylic adhesive on a clear polyester film, ideal for rough surfaces where gap filling is required.

FEATURES

- Heavy adhesive mass
- High tack acrylic pressure-sensitive adhesive
- Clear polyester carrier film
- Blue poly release liner
- Good adhesion to low energy surfaces

BENEFITS

- Excellent bond strength to foams, rubbers, most plastics, metals and low surface energy materials
- Conformable and gap filling
- Easy to die cut and apply

PRODUCT APPLICATIONS

Suggested for immediate, destructible bonds. Also a good choice for nameplate and most mounting applications. Our best acrylic tape for bonding to low surface energy materials. Users should test the product to ensure it 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

Adhesive: 3.5 mil (89 μm)
Carrier: 1 mil (25 μm) clear PET
Adhesive: 3.5 mil (89 μm)
Liner: 3.0 mil (75 μm) blue poly

Reference Test Methods:
PSTC-133, ASTM D-1000

ADHESIVE PERFORMANCE PROPERTIES – Typical Values*

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Typical Values</th>
<th>Test Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>180° Peel Adhesion (12” min.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 min. Dwell</td>
<td>SS – 50 oz./in.</td>
<td>PSTC-101, ASTM D-3330, ART #1005</td>
</tr>
<tr>
<td>23 hr. Dwell</td>
<td>SS – 70 oz./in.</td>
<td>PSTC-101, ASTM D-3330, ART #1024</td>
</tr>
<tr>
<td>Static Shear</td>
<td></td>
<td></td>
</tr>
<tr>
<td>72°F, ½” x ½” area, 500 g. load</td>
<td>60 minutes to failure</td>
<td>PSTC-107, ART #1011</td>
</tr>
</tbody>
</table>

*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 one year from date of manufacture.
**ARclad® 8314-19**  
Double-Coated Film Bonding Tape

**SERVICE TEMPERATURE RANGES**

- Minimum Application Temperature: 50°F (10°C)
- Maximum Operating Temperature: 250°F (121°C)

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.

*(Revised 4 November 2009)*

**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.

**THIS IS NOT AN OFFER**

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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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