PRODUCT DESCRIPTION

ARclad® 8289-39 is a 6.0 mil (0.147 mm) layer of heat-activated adhesive coated onto a kraft paper release liner. The heavy mass of adhesive is suggested for bonding fabrics, felts and porous materials where irregular surfaces are present.

FEATURES

- Heat activated adhesive
- Densified kraft liner

BENEFITS

- Excellent penetration into porous materials
- Superior plasticizer and chemical resistance
- Will bond to materials not normally suited for pressure-sensitive adhesives

PRODUCT PROFILE AND DIAGRAM – Typical Values*

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Adhesive:</td>
<td>6.0 mils</td>
</tr>
<tr>
<td>Liner:</td>
<td>3.2 mils</td>
</tr>
<tr>
<td>Total:</td>
<td>9.2 mils nominal</td>
</tr>
</tbody>
</table>

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

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

PRODUCT APPLICATIONS

Suggested for bonding fabrics, felts and porous materials where irregular surfaces are present. 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.

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.

SERVICE TEMPERATURE RANGE

Adhesive is fully activated at temperatures above 300°F (149°C) with a combination of firm pressure and a few seconds dwell. ARclad® 8289-39 can be tacked in place at temperatures less than 300°F and be activated later with additional heat, pressure and dwell. Optimum bonds can be achieved with various combinations of the three processing parameters. A degree of experimentation may be required to determine the best process for a particular application.

Recommended Minimum Application Temperature: 325°F (162°C) at 10 PSI (10-30 sec. dwell)
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 17 July 2014)

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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