ARclear® 93495 is a 1.6 mil optically clear silicone pressure-sensitive adhesive coated between two fluorosilicone release liners.

PRODUCT APPLICATIONS
The typical uses for this product are for high temperature, high humidity applications and applications that involve chemical exposure. ARclear® 93495 has low haze, high clarity and high transmission to facilitate use in display and other optical applications.

FEATURES AND BENEFITS
- High chemical and thermoxidative resistance
- Optical grade haze, clarity and transmission
- Stable liner release under various conditions
- Broad adhesion properties suitable for use on high surface energy substrates such as glass or metal, as well as non-polar plastic substrates

<table>
<thead>
<tr>
<th>Technical Properties</th>
<th>Typical Values*</th>
<th>Test Method*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peel adhesion on glass</td>
<td>60 oz/inch</td>
<td>16.7 N/25mm</td>
</tr>
<tr>
<td>Release of polyester liner - tight</td>
<td>25 g/2 inch</td>
<td>180°, 300 ipm</td>
</tr>
<tr>
<td>Transmission</td>
<td>100%</td>
<td>Byk Gardner Haze-Gard Plus</td>
</tr>
<tr>
<td>Haze</td>
<td>0.1%</td>
<td>Byk Gardner Haze-Gard Plus</td>
</tr>
<tr>
<td>Clarity</td>
<td>99.7%</td>
<td>Byk Gardner Haze-Gard Plus</td>
</tr>
<tr>
<td>a*</td>
<td>0.00</td>
<td>UV/Vis with Integrating Sphere, Standard Illuminant D65/10°, 380-780 nm</td>
</tr>
<tr>
<td>b*</td>
<td>0.01</td>
<td></td>
</tr>
<tr>
<td>L*</td>
<td>99.98</td>
<td></td>
</tr>
<tr>
<td>Recommended storage of unconverted product</td>
<td>70°F ± 20°F</td>
<td>21°C ± 11°C</td>
</tr>
<tr>
<td></td>
<td>50% ± 20% RH</td>
<td>50% ± 20% RH</td>
</tr>
<tr>
<td>Shelf life of unconverted product</td>
<td>Not to exceed one year from date of manufacture</td>
<td></td>
</tr>
</tbody>
</table>

*All stated values are nominal and should only be used as a guide for selection. They are not specifications.
Product Information Sheet  
**ARclear® 93495**

### Product Construction

<table>
<thead>
<tr>
<th></th>
<th>Typical Values*</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liner thickness</td>
<td>2.0 mil</td>
<td>51 μm Clear polyester liner – easy release</td>
</tr>
<tr>
<td>Adhesive thickness</td>
<td>1.6 mil</td>
<td>41 μm Optically clear silicone adhesive</td>
</tr>
<tr>
<td>Liner thickness</td>
<td>2.0 mil</td>
<td>51 μm Clear polyester liner – tight release</td>
</tr>
<tr>
<td>Total thickness</td>
<td>1.6 mil</td>
<td>41 μm (Excluding liners)</td>
</tr>
</tbody>
</table>

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

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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 can be used 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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**DISCLAIMER OF WARRANTIES**

AR’s warranty on product is limited to the warranty set forth in the Sales Order Acknowledgment. **NOTHING SET FORTH IN THIS PRODUCT INFORMATION SHEET SHALL CONSTITUTE A WARRANTY OF ANY KIND AND EXCEPT AS SET FORTH IN THE SALES ORDER ACKNOWLEDGMENT, UNLESS OTHERWISE STATED IN A SALES ORDER ACKNOWLEDGMENT, AR EXPRESSLY DISCLAIMS ALL WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** No provisions, statements, diagrams, drawings or pictures contained in any product literature, price list, catalogue, purchase order, product data sheet, order acknowledgment, invoice, delivery ticket, or any other communication by AR, including information on AR’s website or statements made by AR’s employees or agents, constitute express warranties. Results of tests and recommendations included in communications of AR do not constitute express warranties. **MANY FACTORS MAY AFFECT THE USE AND PERFORMANCE OF AN AR PRODUCT IN A PARTICULAR APPLICATION, INCLUDING, AMONG OTHERS, THE PRODUCT SELECTED FOR USE, THE CONDITIONS IN WHICH THE PRODUCT IS USED, THE TIME AND ENVIRONMENTAL CONDITIONS IN WHICH THE PRODUCT IS EXPECTED TO PERFORM, THE MATERIALS TO BE USED WITH THE PRODUCT, THE SURFACE PREPARATION OF THOSE MATERIALS, AND THE APPLICATION METHOD FOR THE PRODUCT; THEREFORE, PURCHASER ACCEPTS RESPONSIBILITY FOR DETERMINING WHETHER AR’S PRODUCT IS FIT FOR A PARTICULAR PURPOSE AND SUITABLE FOR PURCHASER’S METHOD OF APPLICATION.** AR retains the right to modify or change its products if in AR’s judgment it is advisable.

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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(Revised 7 December 2020)

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