ARcare® 93363 is a medical grade, skin-friendly, pressure-sensitive adhesive coated on a stretchable polyurethane nonwoven fabric. The adhesive side of the tape is protected by a clear polyester liner.

PRODUCT APPLICATIONS
The typical use for this product is bonding on skin for long-term wear applications including adhesion of wearable load-bearing devices on skin.

FEATURES AND BENEFITS
- Excellent adhesion on skin for long-term wear
- High moisture vapor transmission
- Water resistance
- Biocompatible per ISO 10993
- Facilitates design options
- Residue-free removal

<table>
<thead>
<tr>
<th>Product Construction</th>
<th>Typical Values*</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carrier thickness</td>
<td>7.0 mil</td>
<td>178 µm</td>
</tr>
<tr>
<td>Adhesive thickness</td>
<td>2.6 mil</td>
<td>66 µm</td>
</tr>
<tr>
<td>Liner thickness</td>
<td>2.0 mil</td>
<td>50 µm</td>
</tr>
<tr>
<td>Total thickness</td>
<td>9.6 mil</td>
<td>244 µm</td>
</tr>
</tbody>
</table>

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

SAFETY DATA
MA-91 is a medical grade adhesive. The adhesive passed cytotoxicity, primary skin irritation, and skin sensitization tests conducted by an independent laboratory. Additional safety information is available upon request.

www.adhesivesresearch.com
**Product Information Sheet**

**ARcare® 93363 (Developmental)**

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### Technical Properties

<table>
<thead>
<tr>
<th>Attribute*</th>
<th>Typical Values*</th>
<th>Test Method*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peel adhesion on stainless steel</td>
<td>~35 oz/inch</td>
<td>9.7 N/25mm</td>
</tr>
<tr>
<td>Release of polyester liner</td>
<td>~160 g/2”</td>
<td>90 degrees, 12 ipm</td>
</tr>
<tr>
<td>Static Shear</td>
<td>~35 min</td>
<td>500 g, ½” x ½’’</td>
</tr>
<tr>
<td>Moisture Vapor Transmission Rate</td>
<td>550 g/m²/day</td>
<td>ART4047</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>
</tbody>
</table>

**Shelf life of unconverted product**

Not to exceed one year from date of manufacture

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*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 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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**DISCLAIMER OF WARRANTIES**

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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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