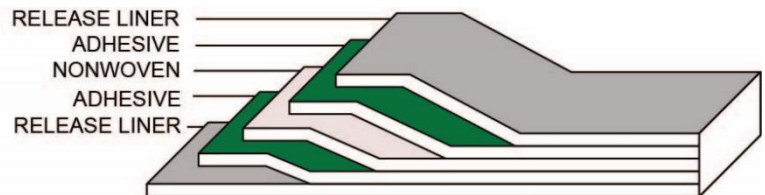


ARcare® 8881 is an electrically conductive nonwoven material coated with an electrically conductive adhesive on both sides. The double-coated tape is protected by a kraft liner on both sides.

**PRODUCT APPLICATIONS**

The typical uses for this product are bonding, laminating and assembling of electrode and defibrillation applications.



**FEATURES AND BENEFITS**

- Double-coated conductive nonwoven
- Highly conductive adhesive
- Conductivity on the X, Y and Z axis
- Easy to die cut and apply
- Low surface resistance
- Robust product application

| Product Construction        |                 |        |                                      |
|-----------------------------|-----------------|--------|--------------------------------------|
|                             | Typical Values* |        | Description                          |
| Release Liner (top)         | 6.0 mil         | 152 µm | 94# polycoated kraft liner           |
| Adhesive thickness (top)    | 2.0 mil         | 50 µm  | EC-2 electrically conductive acrylic |
| Nonwoven thickness          | 0.8 mil         | 20 µm  | Electrically conductive nonwoven     |
| Adhesive thickness (bottom) | 2.0 mil         | 50 µm  | EC-2 electrically conductive acrylic |
| Release Liner (bottom)      | 6.0 mil         | 152 µm | 94# polycoated kraft liner           |
| Total thickness             | 4.8 mil         | 120 µm | (Excluding liners)                   |

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

**SAFETY DATA**

EC-2 is an electrically conductive adhesive. The adhesive passed cytotoxicity and primary skin irritation tests conducted by an independent laboratory. Additional safety information is available upon request.

# Product Information Sheet

## ARcare® 8881



| Technical Properties                          |  |                             |                                  |
|---|--|-----------------------------|----------------------------------|
| Attribute*                                    | Typical Values*                                  |                             | Test Method*                     |
| Peel adhesion to Stainless Steel (both sides) | ~64 oz/in  | ~17.8 N/25 mm               | 180 degrees, 12 ipm, 5 min dwell |
| Surface resistance (both sides)               | 6-8 Ω/sq   |                             | ART 3036                         |
| Volume resistance                             | 3 Ω maximum                                      |                             | ART 3035                         |
| Adhesive coat weight (both sides)             | 1.5 oz/yd <sup>2</sup>                           | 51 gsm                      | ART 5006                         |
| Recommended storage of unconverted product    | 70°F ± 20°F<br>50% ± 20% RH                      | 21°C ± 11°C<br>50% ± 20% RH |                                  |
| Shelf life of unconverted product             | Not to exceed two years from date of manufacture |                             |                                  |

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

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.

#### 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.

#### THIS IS NOT AN OFFER

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