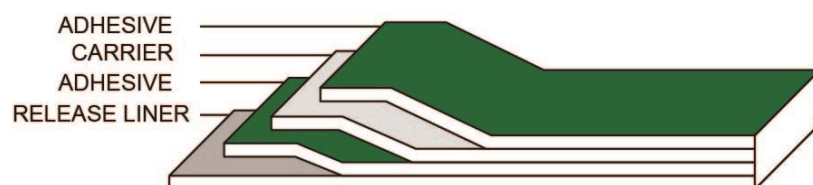


ARcare® 90615 is a double-coated, electrically conductive tape with an electrically conductive pressure-sensitive adhesive (PSA) on both sides. The electrically conductive nonwoven carrier enhances the XY conductivity of the product.

### PRODUCT APPLICATIONS

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



### FEATURES AND BENEFITS

- Excellent z-axis conductivity
- Easy to die cut and apply
- Highly conductive adhesive
- Double-coated conductive nonwoven

Product Construction			
	Typical Values*		Description
Liner thickness	6.0 mil	152 µm	White 92# double-faced paper release liner
Adhesive thickness	2.0 mil	51 µm	EC-2 electrically conductive acrylic
Carrier thickness	0.8 mil	20 µm	Electrically conductive nonwoven
Adhesive thickness	2.0 mil	51 µm	EC-2 electrically conductive acrylic
Total thickness	4.8 mil	122 µm	(Excluding liner)

\*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® 90615



Technical Properties			
Attribute*	Typical Values*		Test Method*
Peel adhesion on stainless steel (180°, 12 in/min, 5 min dwell)	45 oz/in	12.5 N/25.4 mm	ASTM D3330
Contact resistance through adhesive (25 °C, 11.5 psi, 1" x 1" gold-plated electrodes)	$\leq 3.0 \Omega$		ART 3035
Surface resistance of adhesive (both sides) (23 °C, MIL-G-83528 standard probe, 1" spacing)	11.0 $\Omega$		ART 3036
Recommended storage of unconverted product	70°F ± 20°F 50% ± 20% RH	21°C ± 11°C 50% ± 20% RH	
Shelf life of unconverted product	Not to exceed one year from date of manufacture		

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

# Product Information Sheet

## ARcare® 90615



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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