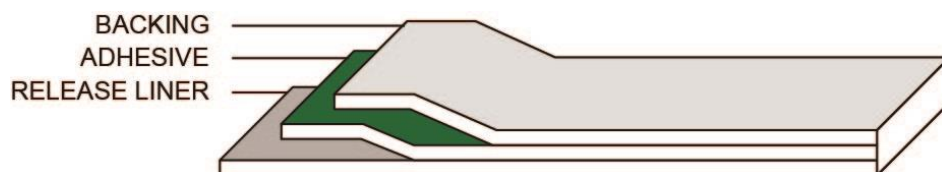


ARcare® 93690 is medical grade pressure-sensitive acrylic adhesive coated on a stretchable nonwoven fabric.

### PRODUCT APPLICATIONS

The typical use for this product is for long-term wear skin contact applications such as wearable devices.



### FEATURES AND BENEFITS

- Adhesive is non-toxic, non-irritating and non-sensitizing
- Suggested for long wear times (14+ days)
- Breathable
- Excellent wear performance for active lifestyles
- Conformable to skin

Product Construction			
	Typical Values*		Description
Non-woven thickness	7.0 mil	178 µm	White non-woven
Adhesive thickness	2.7 mil	69 µm	MA-161 medical grade acrylic adhesive
Liner thickness	2.0 mil	50 µm	Polyester release liner
Total thickness	9.7 mil	247 µm	(Excluding liner)

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

### SAFETY DATA

This product has passed cytotoxicity, skin irritation and skin sensitization testing conducted by an independent laboratory. Additional safety information is available upon request.

# Product Information Sheet

## ARcare® 93690 (Developmental)



Technical Properties			
Attribute*	Typical Values*		Test Method*
Peel adhesion on stainless steel	25-40 oz/inch	7.0-11.1 N/25mm	90 degrees, 12 ipm, 15 min. dwell
MVTR	>675 g/m <sup>2</sup> /day		ART 4047
Static Shear	~16 minutes		500 gram at Room Temp. ½" x ½"
Release of release liner	~100 g/2"		90 degrees, 12 ipm
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.

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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