

ARcare® 8939 is a white, polyester film coated on both sides with a medical pressure-sensitive adhesive. This double-faced tape is protected by a polyester release liner on both sides.

PRODUCT APPLICATIONS

The typical uses for this product are bonding, laminating and assembly of in-vitro diagnostic and related membrane-based immunoassay products where consistent product thickness is critical.



FEATURES AND BENEFITS

- Inert acrylic adhesive
- Easily die-cut
- Compatible with many assays
- Excellent conformability

Product Construction			
	Typical Values*		Description
Liner thickness	2.0 mil	50 µm	S/F polyester release liner
Adhesive thickness	1.0 mil	25 µm	AS-110, acrylic adhesive
Carrier	3.0 mil	76 µm	3 mil white polyester
Adhesive thickness	1.0 mil	25 µm	AS-110, acrylic adhesive
Liner thickness	2.0 mil	50 µm	S/F polyester release liner
Total thickness	5.0 mil	126 µm	(excluding liners)

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

SAFETY DATA

AS-110 is a medical grade adhesive. The adhesive passed cytotoxicity and primary skin irritation tests conducted by an independent laboratory. Additional safety information is available upon request.

Technical Properties			
Attribute*	Typical Values*		Test Method*
Peel adhesion on stainless steel	50 oz/inch	14 N/25mm	90 degrees, 12 ipm, 5 min. dwell
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 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.

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