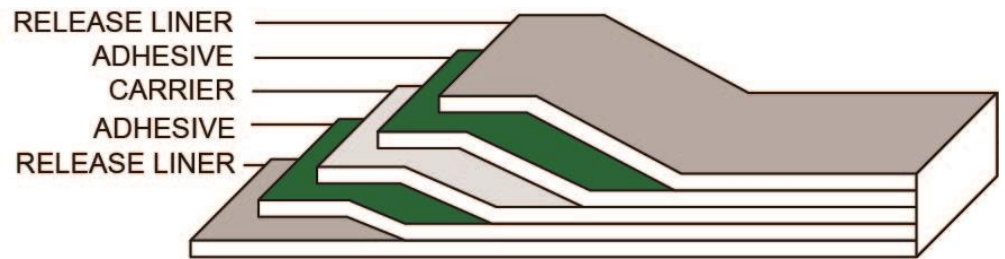


ARcare® 90106NB is a clear, thin and flexible plastic film coated on both sides with a medical grade pressure-sensitive adhesive. The double-faced tape is protected by a white polyester release liner on both sides.

**PRODUCT APPLICATIONS**

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



**FEATURES AND BENEFITS**

- Excellent adhesion to low energy surfaces
- Flexible adhesive systems with high tack and peel properties
- Excellent conformability
- Facilitates design options
- Easy to die cut and apply

Product Construction			
	Typical Values*		Description
Liner thickness	2.0 mil	50 µm	White polyester film
Adhesive thickness	2.3 mil	58 µm	MA-69 medical grade acrylic
Carrier thickness	1.0 mil	25 µm	Clear polyester film
Adhesive thickness	2.3 mil	58 µm	MA-69 medical grade acrylic
Liner thickness	2.0 mil	50 µm	White polyester film
Total thickness	5.6 mil	140 µm	(Excluding liners)

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

**SAFETY DATA**

MA-69 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 (both sides)	150 oz/inch	42 N/25mm	ART1005 - 180 degrees, 12 ipm, 5 minute
Release Value (both sides)	40 g/2" maximum		ART1034 - 180 degrees, 300 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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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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