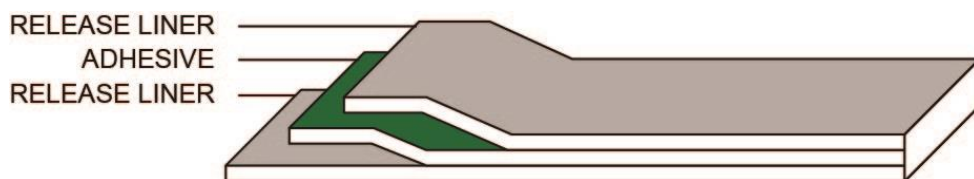


ARflow® 93450 is an unsupported tape product with a hydrophilic pressure-sensitive adhesive coating between two polyester liners.

## PRODUCT APPLICATIONS

The typical use for this product is for assemblies of in-vitro diagnostic and related membrane-based immunoassay products where enhanced wettability to water, blood and other hydrophilic liquids are required.



## FEATURES AND BENEFITS

- Stable to a wide array of temperatures and humidity
- Facilitates capillary design options – hydrophilic top or bottom surface or sidewalls
- Excellent conformability
- Wettable to liquids such as water, urine, blood, etc.
- Provides adhesion to polymer and metalized polymer surface
- Good aesthetic quality

Product Construction			
	Typical Values*		Description
Liner thickness	2.0 mil	50 µm	Clear polyester release liner - easy
Adhesive thickness	1.0 mil	25 µm	Clear HY-32 acrylic adhesive
Liner thickness	2.0 mil	50 µm	White polyester release liner - medium
Total thickness	1.0 mil	25 µm	(Excluding liner)

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

# Product Information Sheet

## ARflow® 93450



Technical Properties			
Attribute*	Typical Values*		Test Method*
Peel adhesion to SS	12 oz/inch	3.3 N/25mm	180 degrees, 15 min. dwell
Contact angle	< 10 degrees		Goniometer – 2 µL water drop; 30 sec. dwell
Release of liner - easy	12 g/2"		180 degrees, 300 ipm
Release of liner - medium	47 g/2"		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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