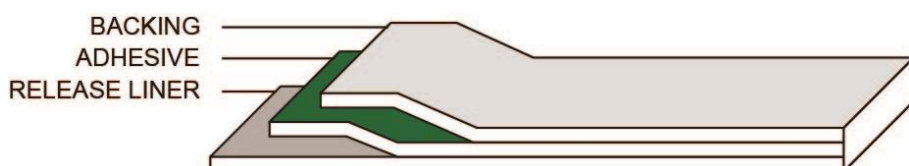


ARflow® 93025 is a 100 µm polyester film coated on one side with a hydrophilic coating. The hydrophilic coating side of the tape is protected by a polyester release film.

PRODUCT APPLICATIONS

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



FEATURES AND BENEFITS

- Clear construction for verification of wicking
- Cover attachment easily bonded to a pressure-sensitive mid-layer
- Wettable to liquids such as water, urine and blood
- Used as an aid for transport of fluids in capillary and microfluidic devices
- Fast and stable capillary fills
- Good aesthetic quality
- Compatible with many assays

Product Construction			
	Typical Values*		Description
Film thickness	4.0 mil	102 µm	Clear polyester film
Adhesive thickness	0.45 mil	11 µm	HY-10 hydrophilic coating
Liner thickness	1.5 mil	38 µm	Clear polyester release liner
Total thickness	4.45 mil	113 µm	(Excluding liner)

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

Handling Recommendations

The hydrophilic heat seal adhesive is sensitive to surface impurities. It is recommended that the coated samples be handled using powder-free gloves and in an area that is away from dirt, silicones or other types of oils.

Product Information Sheet

ARflow® 93025



Technical Properties			
Attribute*	Typical Values*		Test Method*
Contact angle with water	4° - 10°		Goniometer - 2 μL water drop; 30 sec. dwell
Recommended storage of unconverted product	70°F ± 20°F 50% ± 20% RH	21°C ± 11°C 50% ± 20% RH	
Recommended sealing parameters	120-145°C, 30-40 psi, 1-3 second dwell		
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.

THIS IS NOT AN OFFER

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