

Product Information Sheet

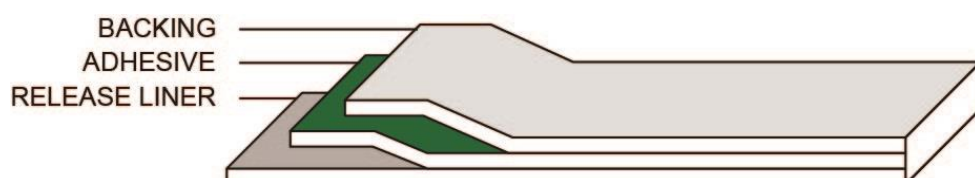
ARflow® 93361



ARflow® 93361 is a polyester film coated on one side with a hydrophilic heat-seal adhesive. The adhesive is protected by a polyethylene liner.

PRODUCT APPLICATIONS

The typical uses for this product are for assemblies of in-vitro diagnostic and membrane-based immunoassays where enhanced surface wettability to water and other hydrophilic liquids is required.



FEATURES AND BENEFITS

- Hydrophilic surface
- Heat seal
- Adhesion to a variety of polymeric substrates
- Smooth, inert coating

Product Construction			
	Typical Values*		Description
Backing thickness	4.0 mil	102 µm	Polyester film
Adhesive thickness	1.0 mil	25 µm	Hydrophilic heat-seal
Liner thickness	2.0 mil	51 µm	Low density polyethylene film
Total thickness	5.0 mil	127 µm	(Excluding liner)

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

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Technical Properties			
Attribute*	Typical Values*		Test Method*
Contact angle with water	~10°		Goniometer – 2 µL water drop; 30 sec. dwell
Liner release	~5 g/cm		180°, 300 ipm
Recommended sealing parameters	100-120°C, 30-40 psi, 1-3 second 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 one year from date of manufacture		

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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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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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