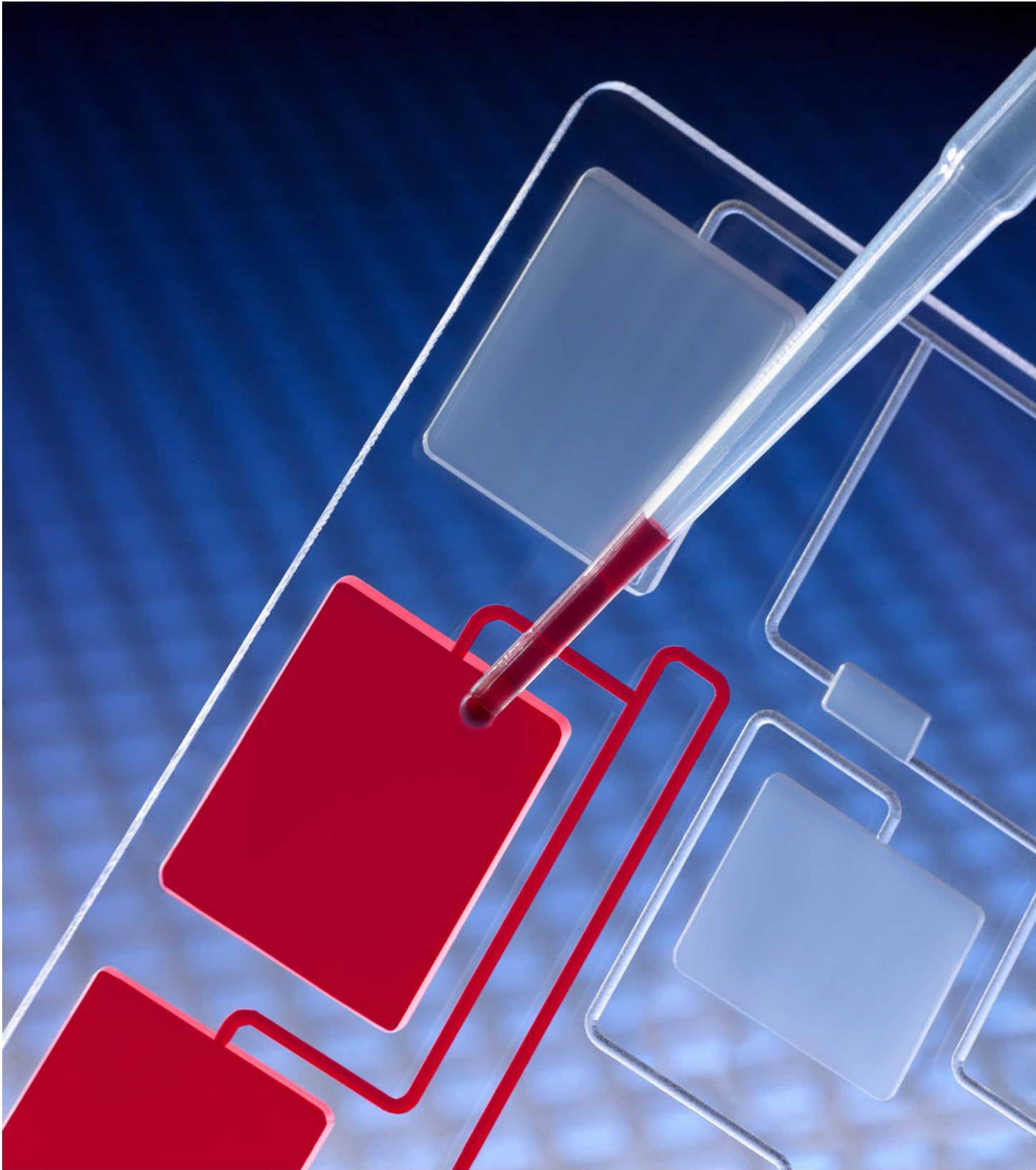


Point of Care
Innovative Solutions



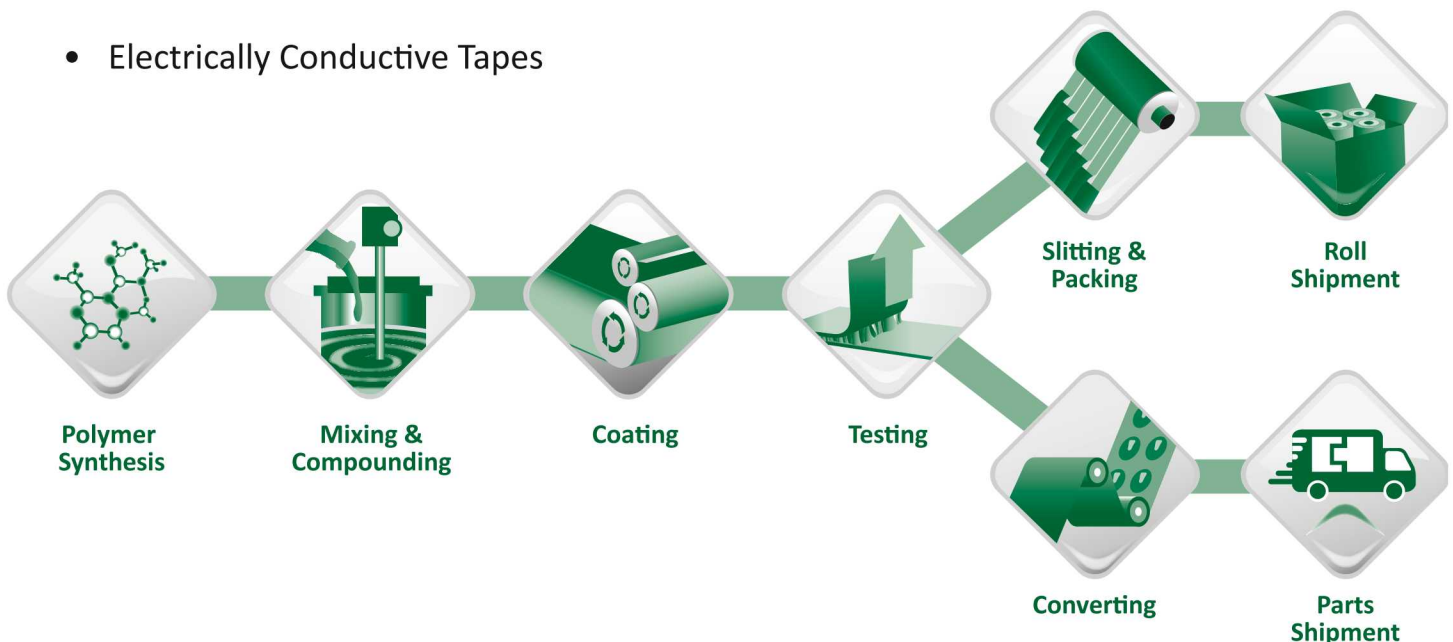
Capabilities

For nearly 60 years, Adhesives Research has developed and manufactured custom adhesives and coating technologies around the world. Our innovative products are created for a variety of purposes and industries, including in-vitro diagnostic (IVD) applications used in the medical industry.

We offer our customers complete, custom solutions for products through innovative technologies capable of delivering enhanced performances and novel capabilities to a variety of medical devices.

Our custom adhesives opportunities include:

- Cover Tapes
- Spacer Tapes
- Optically Clear Tapes
- Hydrophilic Tapes & Coatings
- Low Leachables and Low-Outgassing Tapes
- Electrically Conductive Tapes



POC Tapes and Electrically Conductive Products

Product Number	Adhesive	Carrier	Liner	Total Thickness (w/o liner)	Adhesive Type	Construction/ Conductivity
Cover Tapes						
7759	AS-110	Clear PET	50μ clear PET	56μ	Acrylic	S/F
7815	AS-110	Clear PET	50μ clear PET	75μ	Acrylic	S/F
8259	AS-110	White PET	50μ clear PET	157μ	Acrylic	S/F
8565	AS-110	White PET	50μ clear PET	279μ	Acrylic	S/F
90697	SR-25	BOPP	50μ clear PET	97μ	Silicone	S/F
Spacer Tapes						
8939	AS-110	Clear PET	50μ clear PET	125μ	Acrylic	D/F
90445Q	AS-110	Clear PET	50μ clear PET	81μ	Acrylic	D/F
90106NB	MA-69	Clear PET	50μ clear PET	142μ	Hybrid	D/F
92712	MA-93	Clear PET	50μ clear PET	48μ	Acrylic	D/F
90880	SR-25	BOPP	50μ clear PET	142μ	Silicone	D/F
92848	MA-77	Clear PET	50μ clear PET	96μ	Heat seal	D/F
Optically Clear Tapes						
93495	SR-29	-	50μ clear PET	38μ	Silicone	T/F
8932EE	SR-22	-	50μ clear PET	38μ	Silicone	T/F
92524	AS-200	-	50μ clear PET	25μ	Acrylic	T/F
92734	AS-221	-	50μ clear PET	25μ	Rubber	T/F
Low Leachables & Low Outgassing Tapes						
90176	AS-144	Clear PET	165μ Paper/50μ PET	125μ	Acrylic	D/F
90178	AS-144	Clear PET	165μ Paper/50μ PET	90μ	Acrylic	D/F
8915W6970	AS-132	White PET	37μ PET / 50μ PET	150μ	Acrylic	D/F
93530	AS-132	-	50μ PET	25μ	Acrylic	T/F
Electrically Conductive Tapes						
8001	EC-2	-	157μ Paper	109μ	Acrylic	x-y-z
8006	EC-2	-	50μ PET	25μ	Acrylic	x-y-z
9032	EC-27	-	50μ PET	25μ	Acrylic	z
90366	EC-2	-	50μ PET	109μ	Acrylic	x-y-z

Hydrophilic Tapes

Heat Activated Hydrophilic Tapes						
90128	HY-9	125μ Clear PET	50μ PET	160μ	Polyester (LCA)	S/F
90368	HY-10	75μ Clear PET	50μ PE	100μ	Polyester (LCA)	S/F
92804	HY-25	75μ Clear PET	50μ PET	95μ	Polyester (MCA)	S/F
93234	HY-33	75μ Clear PET	50μ PET	100μ	Acrylic (LCA)	S/F
Pressure Sensitive Hydrophilic Tapes						
93049	HY-32	75μ Clear PET	50μ PET	100μ	Acrylic (LCA)	S/F
93450	HY-32	N/A	50μ PET	25μ	Acrylic (LCA)	T/F
Hydrophilic Coatings						
8586	MA-55	75μ Clear PET	None	62μ	Polyester (LCA)	S/F, SW
93025	HY-10	100μ Clear PET	37.5μ PET	112μ	Polyester (LCA)	S/F
93781	HY-47	100μ Clear PET	63μ Blue PE	112μ	Polyester (LCA)	S/F

T/F - Transfer film (adhesive between release liners)
S/F - Single face tape
SW - Self-Wound

D/F - Double face tape
LCA - Low Contact Angle
MCA - Medium Contact Angle

ARflow® Hydrophilic Adhesives and Coatings

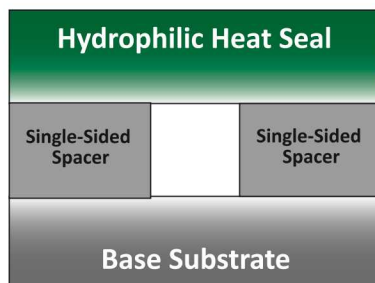
Efficient fluid transport. Reduced analysis times.

ARflow® hydrophilic technologies from Adhesives Research reduce the surface tension of biological fluids to allow for rapid and consistent wicking in diagnostic devices. ARflow is designed for use in diagnostic devices such as blood coagulation monitors, blood glucose, point-of-care tests, environmental test kits and biotechnology applications.

ARflow hydrophilic technologies provide tailorable flow rates and contact angles ranging $<10^\circ$ to 60° to enable stable, passive fluid transport. These adhesives and coatings are compatible with reagent chemistries, biological samples and are non-interfering with test results.

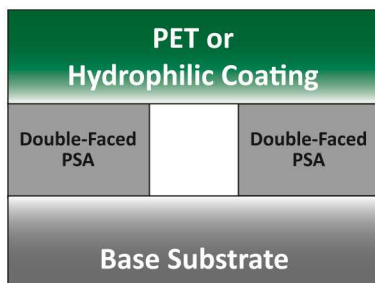
The ARflow product line includes heat seal adhesives, pressure-sensitive adhesives (PSAs) and non-adhesive coatings. Our adhesives are formulated to bond to low-surface energy and metalized substrates commonly used in diagnostic devices and offer long-term stability in high-temperature and humidity environments.

Benefits of ARflow® Products:



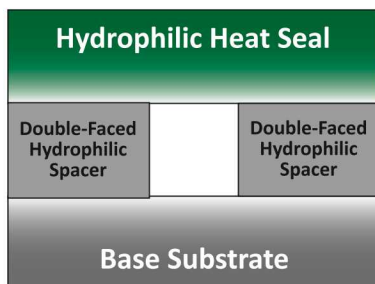
Hydrophilic Heat Seal Adhesives

- Formulated as non-tacky or tacky adhesives
- Clean die-cutting formulations
- Tailorable bonding
- Bonds to polymeric substrates
- Multiple chemistries available
- Low cold flow for dimensional stability



Hydrophilic Pressure-Sensitive Adhesives (PSAs)

- Instant tack forms permanent bonds with minimal pressure
- Ideal for chemistries that are sensitive to heat exposure
- Bonds to polymeric substrates
- Tailorable adhesion
- Inherently and uniformly hydrophilic on all surfaces
- Low cold flow for dimensional stability
- Die-cuttable
- Low fluorescing chemistries



Hydrophilic Coatings

- Non-tacky coatings can be applied to a range of rigid substrates
- Ideal as a top component for quick capillary flow
- Low contact angle
- Designed for use in combination with a PSA spacer tape

DISCLAIMER OF WARRANTIES

AR's warranty on product is limited to the warranty set forth in the Sales Order Acknowledgment. NOTHING SET FORTH IN THIS PRODUCT LITERATURE SHALL CONSTITUTE A WARRANTY OF ANY KIND AND EXCEPT AS SET FORTH IN THE SALES ORDER ACKNOWLEDGMENT. UNLESS OTHERWISE STATED IN A SALES ORDER ACKNOWLEDGMENT, AR EXPRESSLY DISCLAIMS ALL WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No provisions, statements, diagrams, drawings or pictures contained in any product literature, price list, catalogue, purchase order, product data sheet, order acknowledgment, invoice, delivery ticket, or any other communication by AR, including information on AR's website or statements made by AR's employees or agents, constitute express warranties. Results of tests and recommendations included in communications of AR do not constitute express warranties. MANY FACTORS MAY AFFECT THE USE AND PERFORMANCE OF AN AR PRODUCT IN A PARTICULAR APPLICATION, INCLUDING, AMONG OTHERS, THE PRODUCT SELECTED FOR USE, THE CONDITIONS IN WHICH THE PRODUCT IS USED, THE TIME AND ENVIRONMENTAL CONDITIONS IN WHICH THE PRODUCT IS EXPECTED TO PERFORM, THE MATERIALS TO BE USED WITH THE PRODUCT, THE SURFACE PREPARATION OF THOSE MATERIALS, AND THE APPLICATION METHOD FOR THE PRODUCT; THEREFORE, PURCHASER ACCEPTS RESPONSIBILITY FOR DETERMINING WHETHER AR'S PRODUCT IS FIT FOR A PARTICULAR PURPOSE AND SUITABLE FOR PURCHASER'S METHOD OF APPLICATION. AR retains the right to modify or change its products if in AR's judgment it is advisable.

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.

ARcare®, ARclad®, ARclean®, ARflow®, ARseal®, ARclear® are registered trademarks of Adhesives Research, Inc. Adhesives Research® is a registered service mark of Adhesives Research, Inc. for engineering and design services in the field of pressure-sensitive adhesive systems.

Linked  /AdhesivesResearch
marketing@arglobal.com

©2020 Adhesives Research, Inc. Printed in USA.

(Revised 17 June 2020)

North America – Headquarters
Adhesives Research, Inc.
400 Seaks Run Road
Glen Rock, PA 17327
Phone: +1 (717) 235-7979
Toll-free: +1 (800) 445-6240
Fax: +1 (717) 235-8320

Europe
Adhesives Research Ireland, Ltd.
Raheen Business Park
Raheen, Limerick
V94 VH22 Ireland
Phone: +353 61 300 300
Fax: +353 61 300 700

China
Adhesives Research China Co., Ltd.
Room 2710-2711, Building B
Far Glory International Square
No. 317 Xianxia Road
Shanghai, China 200051
Phone: +86 (21) 6150 4358
Fax: +86 21 6278 5576

Singapore
Adhesives Research PTE Ltd.
60 Paya Lebar Road
#04-04 Paya Lebar Square
Singapore 409051
Phone: +65 6774 9580
Fax: +65 6777 7261