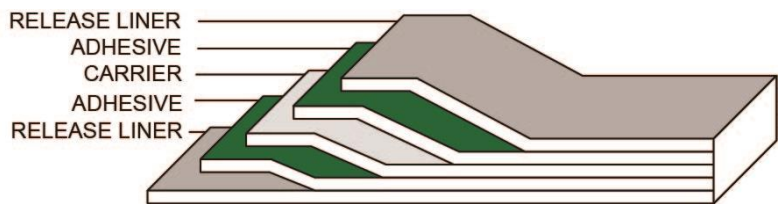


ARseal™ 90880 is a clear polypropylene film coated on both sides with a silicone pressure sensitive adhesive. This is a double-sided construction protected on each side by a PET release liner.

PRODUCT APPLICATIONS

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



FEATURES AND BENEFITS

- Mid-layer component in microfluidic designs
- Barrier to evaporation
- Immediate bond to low energy substrates prevents cross contamination
- Compatible with PCR reagents and process
- Low auto-fluorescence
- Withstands rapid thermal cycling
- Adhesive resistant to dilute solutions of DMSO, acids, alcohols, organic solvents

Product Construction			
	Typical Values*		Description
Liner thickness	2.0 mil	51 µm	Clear polyester release liner
Adhesive thickness	1.8 mil	46 µm	SR-26 silicone adhesive
Polypropylene carrier	2.0 mil	51 µm	Clear polypropylene film
Adhesive thickness	1.8 mil	46 µm	SR-26 silicone adhesive
Liner thickness	2.0 mil	51 µm	Clear polyester release liner
Total thickness	5.6 mil	142 µm	(Excluding liners)

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

SAFETY DATA

SR-26 adhesive has passed cytotoxicity tests conducted by an independent laboratory. Additional safety information is available upon request.

Product Information Sheet

ARseal™ 90880



Technical Properties			
Attribute*	Typical Values*		Test Method*
Peel adhesion on stainless steel	67 oz/in	14.0 N/25mm	180 degrees, 12 ipm, 5 min. dwell
Release of polyester liner (1)	20 g/2"		180 degrees, 300 ipm
Release of polyester liner (2)	20 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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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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