

ARseal™ 90880

Polypropylene Double-Sided Adhesive Tape

Insight®
Adhesives Research

PRODUCT DESCRIPTION

ARseal™ 90880 is a 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.

FEATURES

- Polypropylene carrier
- Low MVTR
- Excellent bond to low surface energy substrates
- Inert silicone adhesive
- Wide operating temperature range
- Flexible adhesive system
- Adhesive resistant to dilute solutions of DMSO, acids, alcohols, organic solvents

BENEFITS

- Barrier to evaporation
- Immediate bond to most substrates prevents cross contamination
- Compatible with PCR reagents and process
- Low outgassing
- Low auto-fluorescence
- Operating range -40 °C to 120 °C
- Withstands rapid thermal cycling

PRODUCT PROFILE AND DIAGRAM

Substrate: 2 mil clear polypropylene
 Adhesive: SR-26 silicone adhesive
 Liner: 2 mil clear polyester release film (both sides)



PROPERTIES

<u>ATTRIBUTE</u>	<u>NOMINAL VALUE*</u>
180° Peel Adhesion:	50 oz/in
Liner Release:	20 g/2 in.
Adhesive Thickness:	1.8 mils
Thickness Without Liners:	5.6 mils
Total Thickness:	9.6 mils

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

PRODUCT APPLICATIONS

Suggested for bonding, laminating and assembly of in-vitro diagnostic and related membrane-based immunoassay products. It is necessary, as with all pressure-sensitive tapes, that the surface to which the tape is to be applied be clean and dry. Users should assure the product meets the specific needs of their application(s). Adhesives Research can tailor the product to meet the needs of specific applications as requested by customers.

SAFETY DATA

SR-26 adhesive has passed cytotoxicity tests conducted by an independent laboratory.

STORAGE

Unconverted rolls should be stored at 70 °F ± 20 °F and less than 50% ± 20% relative humidity, out of direct sunlight.

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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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