

Product Information Sheet

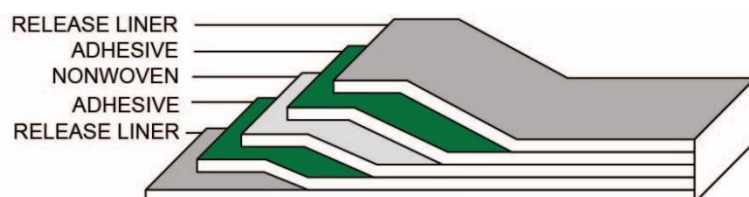
ARcare® 94180



ARcare® 94180 is a breathable medical grade double faced tape protected with one white and one clear PET release liner. The product is designed for bonding a medical device to a skin wear tape.

PRODUCT APPLICATIONS

The typical use for this product is adhering a medical device to a skin adhesive tape. The device side of the tape (white liner side) bonds aggressively to common medical device polymers (polycarbonate, polystyrene, polyethylene, etc.), while the skin side of the tape (clear liner side) bonds aggressively to skin tape backings (nonwovens, polyurethanes, etc.).



FEATURES AND BENEFITS

- High MVTR double faced tape allows for breathability
- Differential adhesion designed for medical device bonding to skin tapes
- Easier to handle compared to transfer film

Product Construction			
	Typical Values*		Description
Liner thickness	2.0 mil	51 µm	White PET release liner
Adhesive thickness	2.5 mil	64 µm	AS-205 acrylic adhesive
Nonwoven	8 gsm		White nonwoven scrim
Adhesive thickness	2.5 mil	64 µm	AS-203 acrylic adhesive
Liner thickness	2.0 mil	51 µm	Clear PET release liner
Total thickness	5.3 mil	135 µm	(Excluding liners)

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

SAFETY DATA

AS-205 and AS-203 are medical grade adhesives. This product has passed cytotoxicity, primary skin irritation, and skin sensitizations tests conducted according to ISO 10993-5 and -10 by an independent laboratory. Additional safety information is available upon request.

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Technical Properties			
Attribute*	Typical Values*		Test Method*
Peel to stainless steel (AS-205 side)	49 oz/inch	14 N/25mm	90 degrees, 12 ipm, 1 hour dwell
Peel to stainless steel (AS-203 side)	77 oz/inch	22 N/25mm	180 degrees, 12 ipm, 30 min. dwell
Moisture vapor transmission rate	220 g/m ² /day		ART 4047
Release of white PET liner	23 g/2"		180 degrees, 300 ipm
Release of clear PET liner	41 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 two years 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.

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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