

Product Information Sheet

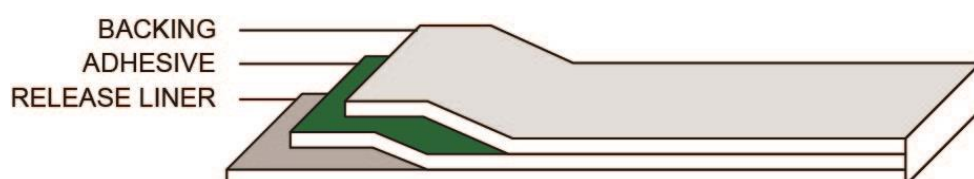
ARcare® 8311



ARcare® 8311 is a medical, single-coated tape with an acrylic pressure-sensitive adhesive (PSA) on a clear polyurethane (PU) film coated. The product is designed for short-to-medium-term wear[†] medical applications.

PRODUCT APPLICATIONS

The typical use for this product is for skin contact medical devices such as wound care and I.V. attachments and general wound dressings.



FEATURES AND BENEFITS

- Non-cytotoxic, non-sensitizing, and non-irritating adhesive
- Permits breathability
- Excellent adhesion and conformability to skin for short-to-medium term wear of 1-7 days[†]
- High Moisture Vapor Transmission Rate (MVTR)

Product Construction			
	Typical Values*		Description
Backing thickness	1.0 mil	25 µm	Clear PU film
Adhesive thickness	0.6 mil	15 µm	HY-3, AR medical acrylic adhesive
Liner thickness	3.2 mil	81 µm	Off-white 55# paper release liner
Total thickness	1.6 mil	40 µm	(Excluding liner)

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

[†]Wear times are estimated by Adhesives Research internal studies and may not fully reflect the actual end-use performance. Wear times can vary based on factors such as device weight, size, shape, and environmental conditions. It is strongly recommended that customers conduct their own studies using specific medical device design to ensure accurate wear time assessments.

SAFETY DATA

The adhesive, HY-3, has passed cytotoxicity, primary skin irritation, repeat insult patch, and USP Class VI tests conducted by an independent laboratory. Additional safety information is available upon request.

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Technical Properties			
Attribute*	Typical Values*		Test Method*
Peel adhesion on stainless steel (180°, 12 in/min)	18 oz/in	5.0 N/25.4 mm	ASTM D3330
Liner release (180°, 300 in/min)	45 g/2 in		ASTM D5375
Moisture vapor transmission rate (37.5 °C, 20% RH)	> 1300 g/m ² /day		ASTM D1653
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.

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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