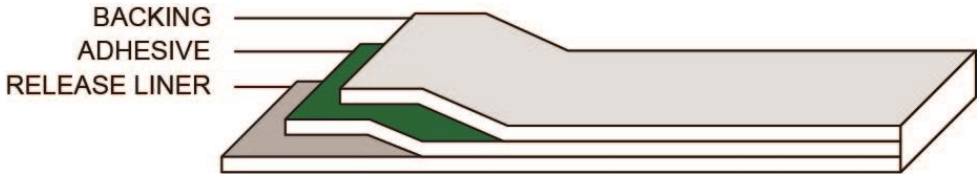
Product Information Sheet
ARcare® 93439

Adhesives Research®

ARcare® 93439 is an e-beam and gamma sterilizable medical grade pressure-sensitive adhesive coated on a white nonwoven fabric. The adhesive is skin-friendly and designed for long-term wear applications.

PRODUCT APPLICATIONS

The typical uses for this product are for long-term wear skin contact applications, such as wearable In-Vitro Diagnostic devices (IVD).



FEATURES AND BENEFITS

- Non-sensitizing adhesive
- Excellent adhesion and conformability to skin for long term wear
- High moisture vapor transmission rate (MVTR)
- Sterilizable to 25 kGy

Product Construction			
	Typical Values*		Description
Carrier thickness	11 mil	279 µm	Non-woven PET carrier
Adhesive thickness	2.6 mil	66 µm	MA-173 medical grade adhesive
Liner thickness	2.0 mil	50 µm	Clear polyester liner
Total thickness	13.6 mil	345 µm	(Excluding liner)

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

SAFETY DATA

The base polymer of MA-173 has passed cytotoxicity, skin irritation and skin sensitization testing conducted by an independent laboratory. The stabilizer package added to the base polymer has also been tested as part of a separate adhesive family and has passed cytotoxicity, skin irritation and skin sensitization testing 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 HDPE	14 oz/in	3.9 N/25 mm	90 degrees, 12 ipm, 15 min. dwell
Release of polyester liner	~100 g/2”		180 degrees, 300 ipm
Moisture vapor transmission rate	~ 550 g/m²/day		Payne Cup Method: 10 mL H_20, 24 hr. dwell in 20% RH/ 37.2°C Chamber
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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