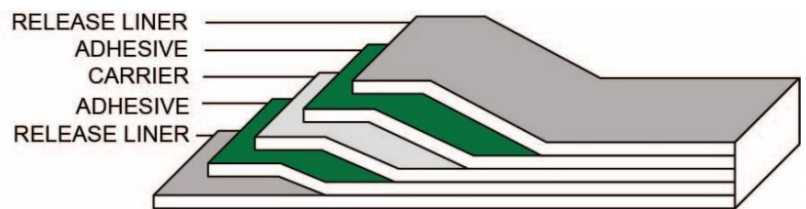


ARclean® 8915W-6970 is a double-coated tape with an acid-free, low outgassing, acrylic adhesive on either side of a white polyester (PET) carrier.

PRODUCT APPLICATIONS

The typical use for this product is for fabrication of filters used in hard disk drives (HDD’s) where clean strippability from HDD base plates and covers are required for rework after burn-in. This can be used for bonding micro-contamination filters inside the HDD housings.

The low outgassing properties also allow this product to be used in medical applications. It can be used for bonding, laminating and assembly of in-vitro diagnostic and related membrane-based immunoassay products.



FEATURES AND BENEFITS

- Low total VOCs
- Acid free acrylic adhesive
- Low extractable ions
- Minimizes HDD system crashes due to contamination
- Minimizes media fogging and head corrosion
- Low silicone extractable polyester release liners and plastic cores

Product Construction			
	Typical Values*		Description
Liner thickness	2.0 mil	51 µm	Clear PET release liner
Adhesive thickness	1.5 mil	38 µm	Low VOC acrylic adhesive
Carrier thickness	3.0 mil	76 µm	White PET film
Adhesive thickness	1.5 mil	38 µm	Low VOC acrylic adhesive
Liner thickness	1.5 mil	38 µm	Clear PET release liner
Total thickness	6.0 mil	152 µm	(Excluding liners)

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

SAFETY DATA

The adhesive has passed cytotoxicity testing conducted by an independent laboratory. Additional safety information is available upon request.

Technical Properties			
Attribute*	Typical Values*		Test Method*
Peel adhesion on stainless steel (both sides) (180°, 12 in/min, 5 min dwell)	60 oz/in	17 N/25.4 mm	ASTM D3330
Shear adhesion on stainless steel (70 °C, 0.25 in ² , 250g)	> 150 min		ASTM D3654
Release of 2 mil liner (180°, 300 in/min)	35 g/2 in		ASTM D5375
Release of 1.5 mil liner (180°, 300 in/min)	38 g/2 in		ASTM D5375
Adhesive outgassing properties (85 °C, 3h)	Total Acrylates:	Not Detected	Dynamic Headspace GC/MS
	Total Alcohols:	0.023 µg/cm ²	
	Total Hydrocarbons:	0.027 µg/cm ²	
	Total Organic Acids:	0.001 µg/cm ²	
	Total Outgassing:	0.068 µg/cm ²	
Leachable ions (extracted for 1 hr. in 20 mL of ultrapure water at 85°C)	Fluoride:	Not Detected	Ion Chromatography
	Chloride:	Not Detected	
	Nitrite:	Not Detected	
	Bromide:	Not Detected	
	Nitrate:	Not Detected	
	Phosphate:	Not Detected	
	Sulfate:	Not Detected	
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.

Product Information Sheet

ARclean® 8915W-6970



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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(Revised 15 August 2024)

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