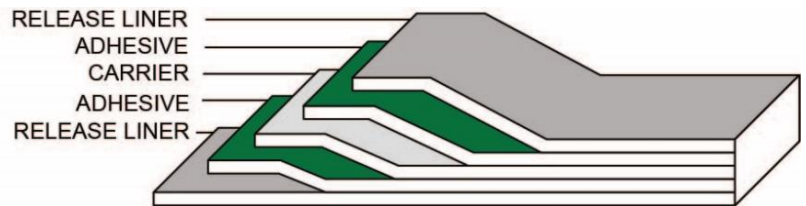


ARclean® 8915W-6970 is an acid-free, ultra-low outgassing, double-sided acrylic bonding tape.

**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**

- Ultra-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 polyester release liner
Adhesive thickness	1.5 mil	38 µm	Clear acrylic
Carrier thickness	3.0 mil	76 µm	White polyester film
Adhesive thickness	1.5 mil	38 µm	Clear acrylic
Liner thickness	1.5 mil	38 µm	Clear polyester 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 passed cytotoxicity tests 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)	60 oz/inch	16.7 N/25mm	180 degrees, 12 ipm, 5 min. dwell
Static shear on stainless steel	> 150 minutes		½" x ½", 250 grams, 70°C
Release of 2 mil, S/F liner	35 g/2"		180 degrees, 300 ipm
Release of 1.5 mil S/F liner	38 g/2"		180 degrees, 300 ipm
Adhesive outgassing properties	Total Acrylates:	Not detected	Dynamic Headspace GC/MS 85°C, 3 hrs.
	Total Alcohols:	0.023 µg/cm <sup>2</sup>	
	Total Hydrocarbons:	0.027 µg/cm <sup>2</sup>	
	Total Organic Acids:	0.001 µg/cm <sup>2</sup>	
	Total Outgassing:	0.068 µg/cm <sup>2</sup>	
Leachable ions	Fluoride:	Not Detected	Ion Chromatography – Samples extracted for 1 hr. in 20 mL of ultrapure water at 85°C
	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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