

# Product Information Sheet

## ARclad® 7418



ARclad® 7418 is a self-wound transfer adhesive with a high performance acrylic adhesive that readily adheres to a wide variety of substrates.

### PRODUCT APPLICATIONS

The typical use for this product is as a laminating adhesive for nameplates, decorative trim, foams and automotive interiors.



### FEATURES AND BENEFITS

- Aggressive acrylic adhesive
- Outstanding adhesion to a wide variety of surfaces
- Excellent oxidation and U.V. resistance for indoor and outdoor applications
- Excellent die cutting characteristics
- The adhesive components meet the FDA requirements for Indirect Food Contact per applicable sections of 21 CFR, Part 175, Section 105

Product Construction			
	Typical Values*		Description
Liner thickness	6.3 mil	160 µm	Densified kraft paper
Adhesive thickness	2.5 mil	63.5 µm	AS-98 acrylic
Total thickness	2.5 mil	63.5 µm	(Excluding liner)

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

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Technical Properties			
Attribute*	Typical Values*		Test Method*
Peel adhesion on stainless steel	50 oz/inch	14 N/25mm	180 degrees, 12 ipm, 60 min. dwell
Static shear on stainless steel	>60 minutes		½" x ½", 500 grams
Liner release	~100 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 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.

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(Revised 16 July 2020)

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