ARclad® 7418
Transfer Adhesive

PRODUCT DESCRIPTION
ARclad® 7418 is an unsupported transfer adhesive with a high performance acrylic adhesive that readily adheres to a wide variety of substrates.

FEATURES
- Aggressive acrylic adhesive
- Densified kraft liner

BENEFITS
- Outstanding adhesion to a wide variety of surfaces
- Excellent oxidation and U.V. resistance for indoor and outdoor applications
- Excellent die cutting characteristics

PRODUCT APPLICATIONS
Suggested for use as a laminating adhesive for nameplates, decorative trim, foams and automotive interiors. Users should assure the product meets the specific needs of their application(s). Adhesives Research, Inc. can tailor the product to meet the needs of specific applications as requested by customers.

PRODUCT PROFILE AND DIAGRAM
Adhesive: 2.5 mil permanent acrylic, pressure-sensitive
Liner: 6.3 mil 84# kraft paper
Total Thickness: 8.8 mils nominal

Test Methods
PSTC-133, ASTM D-1000

ADHESIVE PERFORMANCE PROPERTIES - Typical Values*

180° Peel Adhesion/PET Support/12” min.: 1 hour/SS - 50 oz/in
72 hour/SS - 80 oz/in

Test Methods
PSTC-101, ASTM D-3330, ART #1005

Static Shear: Temperature 72°F 24°F Area ¥” x ¥” 500 g.
Minutes to Failure 60

Test Methods
PSTC-7, ART #2054

Recommended Minimum Application Temperature: -40°F (-40°C)
Maximum Operating Temperature: 248°F (120°C)

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

STORAGE AND SHELF LIFE
Unconverted product should be stored at 70°F ± 20°F (21°C ± 11°C) and 50% ± 20% relative humidity, out of direct sunlight. The shelf life of the product is not to exceed one year from date of manufacture.
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 sheet should not be used in preparing specifications. Products identified as developmental may be subject to modification by Adhesives Research, Inc.

(Revised 23 September 2015)

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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