

ARclad® IS-8314-19

Double-Coated Film Bonding Tape



PRODUCT DESCRIPTION

ARclad® IS-8314-19 is a thick, double-coated acrylic adhesive on a clear polyester film, ideal for rough surfaces where gap filling is required.

FEATURES

- Heavy adhesive mass
- High tack acrylic pressure-sensitive adhesive
- Clear polyester carrier film
- Blue poly release liner
- Good adhesion to low energy surfaces

BENEFITS

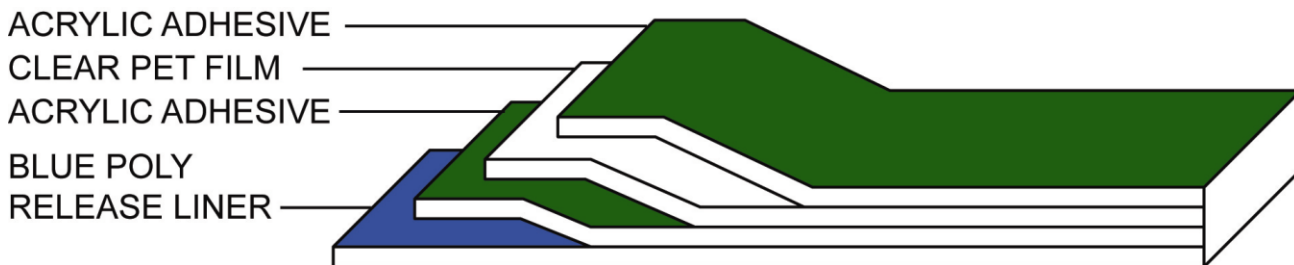
- Excellent bond strength to foams, rubbers, most plastics, metals and low surface energy materials
- Conformable and gap filling
- Easy to die cut and apply

PRODUCT APPLICATIONS

Suggested for immediate, destructible bonds. Also a good choice for nameplate and most mounting applications. Our best acrylic tape for bonding to low surface energy materials. Users should test the product to ensure it meets the specific needs of their application(s). Adhesives Research can tailor the product to meet the needs of specific applications as requested by customers.

PRODUCT PROFILE AND DIAGRAM

Adhesive	Carrier	Adhesive	Blue Poly
3.5 mil (89 um)	1 mil (25 um) Clear PET	3.5 mil (89 um)	3.0 mil (75 um)



Reference Test Methods:
PSTC-133, ASTM D-1000

ADHESIVE PROPERTIES

180° Peel Adhesion (12" min.)
5 min. Dwell
23 hr. Dwell

Test Methods

PSTC-101, ASTM D-3330, ART #1005
PSTC-101, ASTM D-3330, ART #1024

Typical Values

SS – 50 oz./in.
SS – 70 oz./in.

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STATIC SHEAR

<u>Temperature</u>	<u>Area</u>	<u>Load</u>	<u>Minutes to Failure</u>
72°F	½" x ½"	500 g.	60

Reference Test Methods:
PSTC-107, ART #1011

STORAGE AND SHELF LIFE

One year from date of manufacturing when stored at 70°F (21°C), 50% R.H.

SERVICE TEMPERATURE RANGES

Minimum Application Temperature: 50°F (10°C)
Maximum Operating Temperature: 250°F (121°C)

(Revision – 11/04/09)

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 Adhesives Research sales representative if you need additional information.

WARRANTY AND DISCLAIMER

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Internet: www.adhesivesresearch.com

Adhesives Research, Inc.
400 Seaks Run Road, P.O. Box 100
Glen Rock, PA 17327
Toll-free: 800-445-6240
Phone: 717-235-7979
Fax: 717-235-8320

Adhesives Research Ireland Ltd.
Raheen Business Park, Limerick, Ireland
Phone: +353 61 300 300
Fax: +353 61 300 700

Adhesives Research Ltd.
United Kingdom
Phone: +44 (0)1371 878187

Adhesives Research Pte. Ltd.
20 Maxwell Road
#10-06 Maxwell House
Singapore 069113
Phone: +65 6774 9580
Fax: +65 6777 7261

Adhesives Research China Co., Ltd.
703B Xin Da Mansion
#322 Xian Xia Road
Shanghai 200335, China
Phone: +86 21 6150 4358
Fax: +86 21 6278 5576