

Product Information Sheet

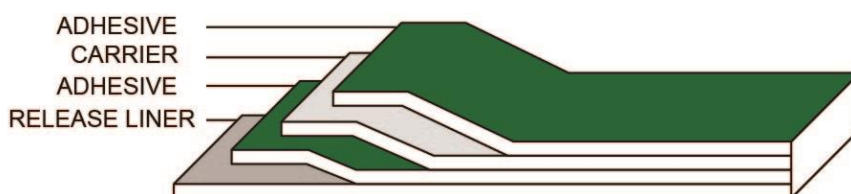
ARclad® 8314-10



ARclad® 8314-10 is a double-face tape with an aggressive acrylic adhesive coated on a clear polyester film.

PRODUCT APPLICATIONS

The typical use for this product is for nameplates, mobile phone lens, displays and other assembly applications where immediate adhesion on a great variety of surfaces is required. ARclad® 8314-10 is ideal for rough surfaces where gap filling is required.



FEATURES AND BENEFITS

- Excellent bond strength to foams, rubbers, most plastics, metals
- Good adhesion to low energy surfaces
- Self-wound
- Conformable and gap filling
- Easy to die cut and apply
- High tack acrylic pressure-sensitive adhesive

Product Construction			
	Typical Values*		Description
Adhesive thickness	3.3 mil	84 µm	AS-98, clear acrylic adhesive
Carrier thickness	1.0 mil	25 µm	Clear polyester
Adhesive thickness	3.3 mil	84 µm	AS-98, clear acrylic adhesive
Liner thickness	3.2 mil	81 µm	53#, D/F, white paper liner
Total thickness	7.6 mil	193 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 to Stainless Steel (both sides)	95 oz/inch	26.2 N/25mm	180 degrees, 12 ipm, 60 min. dwell
Static shear on Stainless Steel (both sides)	> 200 minutes		½" x ½", 500 grams
Liner release	46 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.

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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(Revised 28 May 2020)

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