

ARclad® 9032 is a highly electrically conductive pressure-sensitive adhesive transfer film made with an acrylic adhesive filled with proprietary conductive particles. The tape is predominately conductive in the Z axis with limited XY axis conductivity.

PRODUCT APPLICATIONS

The typical use for this product is fabricating EMI shields, electrical interconnections and ground plane assemblies for cellular phones, computers, PDA's, disk drives, modems and automotive electronics.



FEATURES AND BENEFITS

- 1 mil highly conductive acrylic pressure-sensitive adhesive
- Self-wound tape with double-coated polyester film release liner
- Thin bond line
- Liner won't tear
- Outstanding electrical conductivity along z-axis

Product Construction			
	Typical Values*		Description
Adhesive thickness	1.0 mil	25 µm	Conductive adhesive
Liner thickness	2.0 mil	51 µm	Clear polyester release liner
Total thickness	1.0 mil	25 µm	(Excluding liner)

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

Product Information Sheet

ARclad® 9032



Technical Properties			
Attribute*	Typical Values*		Test Method*
Peel adhesion on stainless steel	~30 oz/inch	8 N/25mm	180 degrees, 12 ipm, 1 hr. dwell
Volume resistance	≤ 10 mΩ		ART 3035
Static Shear	≥ 40 min.		500 grams, RT
Liner release	20-60 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		

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

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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