

# Product Information Sheet

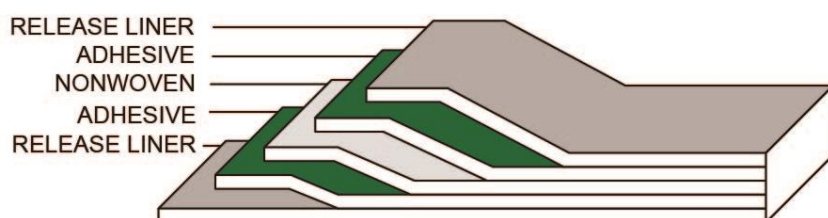
## ARclad® 8001-77



ARclad® 8001-77 is an 'XYZ' axes electrically conductive double-faced pressure-sensitive adhesive tape.

### PRODUCT APPLICATIONS

The typical uses for this product are low current electrical interconnections and ground plane assemblies for cellular phones, computers, PDA's, touch screens, disk drives, and automotive electronics.



### FEATURES AND BENEFITS

- Double coated conductive nonwoven
- Provides conformability to "imperfect surfaces"
- Ideal for die cutting
- Conductive in the X, Y and Z axes
- Low surface resistance

Product Construction			
	Typical Values*		Description
Liner thickness	6.3 mil	160 µm	Poly-coated paper
Adhesive thickness	2.0 mil	51 µm	EC-2 electrically conductive
Carrier	0.8 mil	20 µm	Electrically conductive nonwoven
Adhesive thickness	2.0 mil	51 µm	EC-2 electrically conductive
Liner thickness	6.3 mil	160 µm	Poly-coated paper
Total thickness	4.8 mil	122 µm	(Excluding liners)

\*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	~45 oz/inch	12.5 N/25mm	180 degrees, 12 ipm, 5 min. dwell
Static shear on stainless steel	> 60 minutes		½" x ½", 500 grams, RT
Release of D/F liner	~30 g/2"		180 degrees, 300 ipm
Volume resistance	<10 Ω		ART3035
Surface resistance	<15 Ω		ART3036
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 two years 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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