

ARclad® 5913

Double-Coated Film



Features

- acrylic adhesive system
- polyester film
- densified kraft liner

Benefits

- balanced peel and shear properties
- resistant to U.V., moisture, mild acids, oil and grease
- easy to die cut and apply

Applications

General purpose tape suggested for bonding metals, plastics, wood, glass and painted surfaces. Ideal for signs and nameplates. 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.

Storage and Shelf Life

One year when stored at 70°F, 50% R.H.

Product Construction - Typical Values

Composite: 4.5 mils
 Liner: 3.2 mils
 Total: 7.7 mils nominal

Test Methods

PSTC-133, ASTM D-1000

Adhesive Properties - Typical Values

180° Peel Adhesion/12"min.
 5'/SS - 60 oz./in.

Test Methods

ASTM D-3330, ART #1005

Static Shear

Temperature	Area	Load	Minutes to Failure
72°F	1/2" x 1/2"	500 g.	30'

Test Methods

PSTC-107 ART #1011

Recommended Minimum Application Temperature:
 Maximum Operating Temperature:

50°F (10°C)
 220°F (104°C)

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Adhesives Research®

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.

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