**FEATURES**

- Acrylic-acid free adhesive system
- Low VOC outgassing
- Low extractable anions
- Polyester film carrier
- Polycoated kraft, lay flat liner
- Withstands extremes in temperature and humidity

**BENEFITS**

- Minimizes corrosion of delicate oxide (ITO) or conductive surfaces
- Eliminates fogging and oxidation of conductive surfaces
- Enhances environmental stability
- Consistent caliper for spacer application
- Film carrier provides dielectric barrier between bonded surfaces
- Easy to die cut and apply

**PRODUCT APPLICATIONS**

Suggested for bonding electronic surfaces sensitive to fogging, oxidation and corrosion; particularly perimeter spacer bonding system of touch screens and similar electronic devices. All pressure-sensitive tapes require an application surface that is clean and dry. Users should assure the product 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**

| AS-123 Adhesive: | 1 mil |
| Polyester Carrier Film: | 1 mil |
| AS-123 Adhesive: | 1 mil |
| Liner: | 6.5 mils |
| Total: | 9.5 mils |

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

**ADHESIVE PERFORMANCE PROPERTIES** – Typical Values*

- 180° Peel Adhesion/12"min.  
  5'/SS - Liner side (S1) 25 oz./in.  
  Adhesive side (S2) 35 oz./in.

Reference Test Methods: PSTC-101, ASTM D-3330, ART #1005

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

**STORAGE AND SHELF LIFE**

Unconverted product should be stored at 70°F ± 20°F (21°C ± 11°C) and 50% ± 20% relative humidity, out of direct sunlight. The shelf life of the product is not to exceed one year from date of manufacture.

**SERVICE TEMPERATURE RANGE**

Recommended Minimum Application Temperature: 50°F (10°C)  
Service Temperature Range: -40° - 300°F (-40° - 149°C)
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.

(REvised 28 October 2008)

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.

THIS IS NOT AN OFFER

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