

ARclad® IS-7970-39

Heat Activated



FEATURES

- Heat activated adhesive
- Densified kraft liner

BENEFITS

- Superior plasticizer and chemical resistance
- Will bond to materials not normally suited for pressure-sensitive adhesives

PRODUCT APPLICATIONS

Suggested for bonding foams, corks, felts and most metals and plastics. Suitable for plasticized PVC. 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 CONSTRUCTION – TYPICAL VALUES

Adhesive: 2.0 mils
Liner: 3.2 mils
Total: 5.2 mils nominal

Reference Test Methods:
PSTC-133

STORAGE AND SHELF LIFE

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

SERVICE TEMPERATURE RANGES

Adhesive is fully activated at temperatures above 300°F (149°C) with a combination of firm pressure and a few seconds dwell. IS-7970-39 can be tacked in place at temperatures less than 300°F and be activated later with additional heat, pressure and dwell. Optimum bonds can be achieved with various combinations of the three processing parameters. A degree of experimentation may be required to determine the best process for a particular application.

Recommended Minimum Application Temperature: 325°F (162°C) at 10 PSI
(10-30 sec. dwell)

(Revision – 01/12/09)

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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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