

ARclad® IS-7876

Silicone Transfer Adhesive



PRODUCT DESCRIPTION

ARclad® IS-7876 is a silicone transfer film adhesive between two polyester film release liners designed for use in very high temperature and very low temperature applications with excellent long term stability.

FEATURES

- High performance silicone adhesive
- Polyester release liner

BENEFITS

- Outstanding high/low temperature performance
- Tear resistant liner
- Excellent die cutting characteristics

PRODUCT APPLICATIONS

Suggested for flexible circuits, gaskets and heaters when more surface irregularity is present or faster wet out is required. 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.

PRODUCT CONSTRUCTION – TYPICAL VALUES

Adhesive: 2.0 mils
Liners: 4.0 mils (2)
Total: 6.0 mils nominal

Test Methods

PSTC-133, ASTM D-1000

PRODUCT DIAGRAM



ADHESIVE PROPERTIES – TYPICAL VALUES

180° Peel Adhesion/2 mil PET support/12"/min.
5 min./SS - 55 oz./in.

Test Methods

PSTC-101, ASTM D-3330, ART #1005

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STATIC SHEAR

Temperature	Area	Load	Minutes to Failure
72°F	2" x 2"	500 g.	240'

Test Methods

PSTC-107, ART #1011

STORAGE AND SHELF LIFE

One year from date of manufacture, preferably stored at 55°F (13°C) or below, 50% R.H. Product stored at room temperature for a long period of time may run a risk of liner confusion.

SERVICE TEMPERATURE RANGES

Recommended Minimum Application Temperature:	50°F (10°C)
Maximum Operating Temperature:	500°F (260°C)
Minimum Operating Temperature:	-100°F (-73°C)

(Revised – 03/30/12)

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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