

Double-sided PE Foam Tape CIP-66

Technical Data Sheet

June 2007

Product Description

The face-side acrylic adhesive of CIP-66 offers high initial tack and good adhesion to a variety of surfaces, along with certain vibration resistance. CIP-66 is well-suited for die-cutting and various bonding applications.

Physical Properties

The following technical information and data are representative or typical values and should not be used as product specifications.

Property	Specification
Face Adhesive Type/Thickness:	Acrylic / 0.0045 inches (0.05 mm)
Back Adhesive Type/Thickness:	Acrylic / 0.0045 inches (0.05 mm)
Liner Color, Type & Print:	White, PCK, with logo
Liner Thickness:	0.0056 inches (0.14 mm)
Foam Type:	Black/White PE Foam / 1.0 mm

Note 1: The face adhesive is on the inner side of the tape, exposed when the tape is unwound.

Note 2: The back adhesive is on the outer side of the tape, exposed when the liner is removed.

Note 3: The tape core is polyethylene.

Typical Physical Properties

The following technical information and data are representative or typical values and should not be used as product specifications.

Property	Value
Product Code	CIP-66
Adhesion to Stainless Steel ASTM D3330, 180° Peel	oz/in (N/100mm)
30 minutes at Room Temperature	73 (80)

Property	Value
72 hours at Room Temperature	78 (85)
Adhesion to Other Substrates ASTM D3330, 180° Peel	oz/in (N/100mm)
30 minutes at R.T.	
to PC	73 (80)
to PP	73 (80)
72 hours at R.T.	
to PC	80 (88)
to PP	78 (85)
Static Shear Strength ASTM D3654 (1 sq. in. overlap)	10,000 minutes
72°F (22°C), 1000 gram load	
Solvent Resistance	Fair to Low
UV Resistance	Fair
Temperature Resistance	
Long Term (days, weeks)	70°C
Short Term (minutes, hours)	120°C
Shelf Life of Roll Stock	24 months from date of manufacture when stored in the original packaging at 21°C (70°F) and 50% relative humidity.

Application Guidelines

Bond strength development depends on the wetting of the adhesive to the surface. Increased pressure helps achieve better contact and improves bond strength.

Bonding surfaces must be clean and dry for optimal performance. Typical cleaning agents include isopropyl alcohol and heptane.

Note: When using solvents, carefully read and follow the manufacturer's precautions and usage guidelines.

The ideal application temperature range is 70°F to 100°F (21°C to 38°C). For initial application, it is not recommended to apply the tape below 50°F (10°C) as the adhesive may become too stiff for proper bonding. However, once properly applied, satisfactory bonds can be achieved even in low-temperature environments.

Basic Information

All tapes are supplied with a liner, which improves the dimensional stability of the foam and facilitates slitting and die-cutting operations.

Features

The face adhesive of CIP-66 is a medium-strength acrylic pressure-sensitive adhesive with good initial tack and high-temperature holding power.

Application Reference

Medical/Non-Medical diagnostic test strip bonding

Plastic film bonding

Mirror bonding

Laminating equipment

When bonding over a large area, a laminating device is recommended to ensure quality. For more details on laminating equipment, please contact your local sales representative.

Certifications / Approvals

MSDS: A Material Safety Data Sheet (MSDS) has not been developed for these products. These products are not subject to the MSDS requirements of the Occupational Safety and Health Administration Hazard Communication Standard, 29 CFR.

TSCA: This product is an article as defined by the Toxic Substances Control Act (TSCA) and is therefore exempt from inventory listing requirements.

Important Notice

No warranties, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose, are made. It is the user's responsibility to determine the suitability of this product for a particular application and the application method employed. Many factors may affect the use and performance of a product in a particular application. Factors include, but are not limited to: the materials to be bonded; the surface preparation of those materials; the product selected; the conditions under which the product is used; and the length of time and environmental conditions the bonded assembly is expected to perform. Because the factors affecting product use and performance are numerous and sometimes uniquely within the user's knowledge and control, the user is responsible for evaluating the product and the application method to determine whether it is suitable for a particular purpose and method of application.

Remedy and Limitation of Liability

If this product is proven to be defective, the exclusive remedy shall be, at our option, the refund of the purchase price or the replacement of the product. In no event shall we be liable for any direct, indirect, special, incidental, or consequential damages or loss of profits arising from the use of the product, regardless of the legal theory asserted, including, without limitation, contract, negligence, warranty, or strict liability.

ISO 9002

This pressure-sensitive adhesive product is manufactured under a quality system that meets the requirements of the ISO 9002 standard.