



Adhesive Transfer Tapes with Plasticizer Resistant Adhesive

F9465PC • F9467U

Product Description

3M™ Adhesive Transfer Tapes F9465PC and F9467U are acrylic pressure sensitive adhesives which have been formulated for bonding to many flexible vinyls and provide outstanding resistance to the effects of plasticizer migration from flexible vinyls.

Construction Information



Product	Adhesive Thickness mils (mm)	Liner Type Liner Thickness mils (mm)	Liner Color
F9465PC	5 mils (0.13 mm)	Printed Tan Polycoated Paper 4.2 mils (0.1 mm)	
F9467U	3.5 mils (0.10 mm)	Tan Polycoated Paper 4.2 mils (0.1 mm)	

Note: The thickness listed is based on a calculation from manufacturing controlled adhesive coat weights using a density of 1.012 g/cc. While past data pages have listed nominal thicknesses, the coat weight (and theoretical caliper) has not changed.

Typical Physical Properties and Performance Characteristics

I. Adhesion Peel: ASTM D-3330 (Method E).

a. Stainless Steel Substrate

Product	72 hour dwell
	180°
F9465PC	74 oz/in 20.6 N/25mm
F9467U	64 oz/in 17.8 N/25mm

3M™ Adhesive Transfer Tapes with Plasticizer Resistant Adhesive

F9465PC • F9467U

Typical Physical Properties and Performance Characteristics (continued)

II. Static Shear Strength

Temperature	Size	Weight	Minutes
72°F (23°C) 50% RH	1/2" x 1"	500 grams	10,000

*Test terminated at 10,000 minutes

Environmental Performance

Bond Build-up: The bond strength of 3M™ Plasticizer Resistant Adhesive increases as a function of time and temperature

Temperature/Heat Resistance: 3M™ Plasticizer Resistant Adhesive is usable for short periods (minutes, hours) at temperatures up to 200°F (94°C) and for intermittent longer periods (days, weeks) up to 160°F (71°C).

Lower Temperature Service Limit: -40°F (-40°C).

UV Resistance: When properly applied, parts are not adversely affected by outdoor exposure.

General Information

Note: Vinyl formulations differ and plasticizer types and amounts can vary. The most common types of plasticized vinyl contain low molecular weight materials (plasticizers) which tend to migrate out of the vinyl. In the case of adhesive bonding, these plasticizers migrate into the adhesive which can cause softening of the adhesive and loss of bond strength over time.

- The possible effect of plasticizer migration on an adhesive bond can be predicted by accelerated aging for 5 days at elevated temperature (150°F [65°C]). **Note:** Due to the variability of vinyl formulations, we strongly recommend that the user test each vinyl substrate to determine suitability of the tape for the particular application.
- Natural and synthetic rubber materials such as neoprene and EPDM are also formulated with fillers and plasticizers. **Note:** 3M™ Adhesive Transfer Tape F-9465PC and F9467U does not resist the effects of these particular fillers and plasticizers and is not recommended for use in bonding these materials.

Application Ideas

- Attaching flexible vinyl graphics to sporting helmets
- Attaching flexible vinyl films and graphics to signs
- Attaching flexible vinyl graphics to vehicles
- Attaching flexible vinyl graphics to collectibles
- Attaching flexible vinyl tubing

Master Width

Product	Master Width
F9465PC	54"
F9467U	54"

More sizes may be available. Please call 800-223-7427 or talk to your local 3M representative for more information.

3M™ Adhesive Transfer Tapes with Plasticizer Resistant Adhesive F9465PC • F9467U

Storage	It is suggested that products are stored at room temperature conditions of 70°F (21°C) and 50% relative humidity.
Shelf Life	If stored properly, product retains its performance and properties for 18 months from date of shipment.
Recognition/Certification	<p>TSCA: This product is defined as an article under the Toxic Substances Control Act and therefore, it is exempt from inventory listing requirements</p> <p>MSDS: 3M has not prepared a MSDS for this product which is not subjected to the MSDS requirements of the Occupational Safety and Health Administration's Hazard Communication Standard, 29 C.F.R. 1910.1200(b)(6)(v). When used under reasonable conditions or in accordance with the 3M directions for use, this product should not present a health and safety hazard. However, use or processing of the product in a manner not in accordance with the directions for use may affect its performance and present potential health and safety hazards.</p> <p>Note: One of 3M's core values is to respect our social and physical environment. 3M is committed to comply with ever-changing, global, regulatory and consumer environmental, health, and safety (EHS) requirements. As a service to our customers, 3M is providing information on the regulatory status of many 3M products. Further regulation information including that for OSHA, USCPIS, FDA, California Proposition 65, REACH and RoHS, can be found at 3M.com/regs.</p>
Technical Information	The technical information and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed. It has been prepared from testing that was performed using standard test methods, and tested equipment that is calibrated in compliance to ISO9001 and operated by trained professionals in controlled environments. The data should be considered representative or typical only and should not be used for specification purposes. 3M reserves the right to make changes to the design, construction and technical data of products without prior warning.
Product Use	Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluation the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.
Warranty, Limited Remedy and Disclaimer	Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.
Limitation of Liability	Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence, or strict liability.



This Industrial Adhesives & Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.



**Industrial Adhesives & Tapes Division
Converter Markets**
3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-223-7427 651-778-4244 (fax)
www.3M.com/converter