



# Technical Data Sheet

## 3M™ Adhesive Transfer Tape with Plasticizer Resistant Adhesive F9465PC



### Product Description

3M™ Adhesive Transfer Tape F9465PC is an acrylic pressure sensitive adhesive which has been formulated for bonding to many flexible vinyls and provide outstanding resistance to the effects of plasticizer migration from flexible vinyls.

### 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 does not resist the effects of these particular fillers and plasticizers and is not recommended for use in bonding these materials.

### Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

### Typical Physical Properties

Property	Values	Additional Information
Adhesive Type	Acrylic	
Liner	Polycoated Paper	
Liner Thickness	0.1 mm	
Liner Color	Tan, printed	View
Test Name: Primary		
Total Tape Thickness (mil)	5 mil	View
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.13 mm	View
Test Method: ASTM D3652		

Liner Print	None
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Liner Thickness	4.2 mil
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### Typical Performance Characteristics

Property	Values	Additional Information
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Short Term Temperature Resistance	300 °F	
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Short Term Temperature Resistance	149 °C	
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Long Term Temperature Resistance	93 °C	
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Long Term Temperature Resistance	200 °F	
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Static Shear	10000 min	<a href="#">View</a> 
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Notes: 1/2 in x 1 in sample size; Test terminated at 10,000 min

180° Peel Adhesion	8.1 N/cm	<a href="#">View</a> 
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Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion	74 oz/in	<a href="#">View</a> 
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Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

### Available Sizes

Property	Values	Additional Information
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Master Width	1371.6 mm	<a href="#">View</a> 
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Notes: More sizes may be available. Please talk to your local 3M representative for more information.

Master Width

54 in

View 

Notes: More sizes may be available. Please talk to your local 3M representative for more information.

## Typical 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.

## Storage and Shelf Life

Store in original cartons at 70°F (21°C) and 50% relative humidity.

When stored under proper conditions, product retains its performance and properties for 24 months from date of manufacture.

## Recognition/Certification

**TSCA:** This product is defined as an article under the Toxic Substances Control Act and therefore, it is exempt from inventory listing requirements

**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.

**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, USCPSI, FDA, California Proposition 65, READY and RoHS, can be found at [3M.com/regs](http://3M.com/regs).

## Bottom Matter

3M

Industrial Adhesives and Tapes Division

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## Trademarks

3M is a trademark of 3M Company.

## For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit [www.3M.com/adhesives](http://www.3M.com/adhesives). Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-778-4244. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

## Automotive Disclaimer

**Automotive Applications:** This product is an industrial product and has not been designed or tested for use in certain automotive applications, including, but not limited to, automotive electric powertrain battery or high voltage applications. This product does not fully adhere to typical automotive design or quality system requirements, such as IATF 16949 or VDA 6.3. This product may not be manufactured in an IATF certified facility and may not meet a Ppk of 1.33 for all properties. The product may not undergo an automotive production part approval process (PPAP). Customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's automotive application and for conducting incoming inspections before use of the product. Failure to do so may result in injury, death, and/or harm to property.

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## Handling/Application Information

### Application Examples

- 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

## References

Property	Values
3m.com Product Page	<a href="https://www.3m.com/3M/en_US/p/d/b40065901/">https://www.3m.com/3M/en_US/p/d/b40065901/</a>
Safety Data Sheet SDS	<a href="https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=F9465PC">https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=F9465PC</a>

## Family Group

Link Tags:

- F9465PC
- F9467U

Products	Adhesive Type	Liner	Liner Thickness	Liner Color	Total Tape Thickness (mm)	Short Term Temperature Resistance	Long Term Temperature Resistance
F9465PC	Acrylic	Polycoated Paper	0.1 mm	Tan, printed	0.13 mm	149 °C	200 °F
F9467U	Acrylic	Polycoated Paper	0.1 mm	Tan	0.089 mm	149 °C	200 °F

## ISO Statement

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

## Information

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