



# Technical Data Sheet

3M™ Adhesive Transfer Tape 9774WL+



[Product Details](#)

## Product Description

Finite Element Analysis (FEA) data is available for this product at: [3m.com/FEA](https://3m.com/FEA)

3M™ Adhesive Transfer Tape 9774WL+ with 3M™ Adhesive 300MP+ is suitable for bonding to most surfaces including various fabricated foams, fabrics, and other substrates. This tape also meets the highly variable needs of most gasket fabricators.

## Product Features

- Double sided acrylic adhesive designed for use on foams, plastics, wood and fabrics
- Humidity resistance
- Performs at higher temperatures

## 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

Attribute Name	Value
Adhesive Type	300MP+ Acrylic
Density	0.91 g/cm <sup>3</sup>
Total Tape Thickness	0.10 mm

Attribute Name	Value
Liner	96# PCK
Liner Thickness	0.18 mm
Primary Liner Color	White
Liner Print	None

## Typical Performance Characteristics

### 180° Peel Adhesion

Backing: 2 mil Aluminum Foil

Test Method: ASTM D3330

Dwell Time	Temperature	Substrate	Value
20 min	23 °C	Stainless Steel	8 N/cm <sup>1</sup>
72 h	23 °C	Stainless Steel	12 N/cm <sup>1</sup>
72 h	23 °C	ABS	9 N/cm <sup>1</sup>
72 h	23 °C	Polypropylene (PP)	6 N/cm <sup>1</sup>
72 h	70 °C	Stainless Steel	5 N/cm <sup>1</sup>
72 h	70 °C	ABS	10 N/cm <sup>1</sup>
72 h	70 °C	Polypropylene (PP)	5 N/cm <sup>1</sup>

<sup>1</sup> 304 mm/min (12 in/min)

### 90° Peel Adhesion

Backing: 2 mil Aluminum Foil  
Test Method: ASTM D3330

Dwell Time	Temperature	Substrate	Value
72 h	22 °C	Stainless Steel	9 N/cm <sup>1</sup>
72 h	70 °C	Stainless Steel	15 N/cm <sup>2</sup>
72 h	23 °C	ABS	8 N/cm <sup>2</sup>
72 h	23 °C	Polypropylene (PP)	5 N/cm <sup>2</sup>
20 min	23 °C	Stainless Steel	7.5 N/cm <sup>2</sup>
72 h	70 °C	ABS	5 N/cm <sup>2</sup>
72 h	70 °C	Polypropylene (PP)	4 N/cm <sup>2</sup>

<sup>1</sup> 12 in/min (300 mm/min)

<sup>2</sup> 304 mm/min (12 in/min)

### Static Shear

Substrate: Stainless Steel  
Dwell Time: 72 h  
Backing: 2 mil Aluminum Foil  
Test Method: ASTM D3654

Temperature	Test Condition	Value
23 °C	1000 g	10,000 min <sup>1</sup>
70 °C	500 g	10,000 min <sup>1</sup>
93 °C	1000 g	10,000 min <sup>1</sup>

<sup>1</sup> 25 x 25 mm (1 in x 1 in) sample area, test terminated after 10,000 minutes

### Shear Adhesion Failure Test - SAFT

Substrate: Stainless Steel  
Dwell Time: 72 h  
Backing: 2 mil Aluminum Foil  
Test Method: PSTC 17

Test Condition	Value
1000 g	265 °F (200 min) <sup>1</sup>
500 g	250 min (310 °F) <sup>1</sup>

<sup>1</sup> 25 x 25 mm (1 in x 1 in) Area Contact

### Typical Environmental Performance

Temperature: 32 °C  
Dwell Time: 72 h  
Backing: 2 mil Aluminum Foil  
Test Method: ASTM D3330  
Environmental Condition: 90%RH

Attribute Name	Substrate	Value
180° Peel Adhesion	Stainless Steel	15.0 N/cm (140.0) <sup>1</sup>
180° Peel Adhesion	ABS	9.3 N/cm (85.0) <sup>1</sup>
180° Peel Adhesion	Polypropylene (PP)	6.2 N/cm (57.0) <sup>1</sup>
90° Peel Adhesion	Stainless Steel	14 N/cm <sup>1</sup>
90° Peel Adhesion	ABS	6 N/cm <sup>1</sup>
90° Peel Adhesion	Polypropylene (PP)	5 N/cm <sup>1</sup>

<sup>1</sup> 304 mm/min (12 in/min)

Dwell Time: 1 h

Attribute Name	Test Method	Value
Fogging (Photometric method)	SAEJ1756	95 % <sup>1</sup>

<sup>1</sup> Fogging condensate on the glass plate determined by measuring the 60o specular gloss. The 60o specular gloss for the same glass plate is used as a reference value. The higher value indicates less fogging.

## **Storage and Shelf Life**

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 24 months from date of manufacture.

## **Automotive Disclaimer**

### **Select Automotive Applications:**

This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

## **Information**

Precautionary Information: Refer to product label and Material Safety Data Sheet for health and safety information before using the product. For information, please contact your local 3M Office. You can click or scan QR code to see contact detail or visit [www.3M.com](http://www.3M.com) Important Information: All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application. All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law. Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

## **ISO Statement**

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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