



Technical Data Sheet

3M™ Adhesive Transfer Tape 9774WL+

Product Description

Finite Element Analysis (FEA) data is available for this product at: [3m.com/FEA](https://www.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 ³
Total Tape Thickness	0.10 mm (4 mil)

Attribute Name	Value
Liner	96# PCK
Liner Thickness	0.18 mm (7 mil)
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	22 °C (72 °F)	Stainless Steel	8 N/cm (75 oz/in) ¹
72 h	22 °C (72 °F)	Stainless Steel	12 N/cm (110 oz/in) ¹
72 h	22 °C (72 °F)	ABS	9 N/cm (85 oz/in) ¹
72 h	22 °C (72 °F)	Polypropylene (PP)	6 N/cm (55 oz/in) ¹
72 h	70 °C (158 °F)	Stainless Steel	5 N/cm (50 oz/in) ¹
72 h	70 °C (158 °F)	ABS	10 N/cm (88 oz/in) ¹
72 h	70 °C (158 °F)	Polypropylene (PP)	5 N/cm (50 oz/in) ¹

¹ 12 in/min (300 mm/min)

90° Peel Adhesion

Backing: 2 mil Aluminum Foil
 Test Method: ASTM D3330

Dwell Time	Temperature	Substrate	Value
72 h	22 °C (72 °F)	Stainless Steel	9 N/cm (85 oz/in) ¹
72 h	70 °C (158 °F)	Stainless Steel	15 N/cm (140 oz/in) ¹
72 h	22 °C (72 °F)	ABS	8 N/cm (70 oz/in) ¹
72 h	22 °C (72 °F)	Polypropylene (PP)	5 N/cm (40 oz/in) ¹
20 min	22 °C (72 °F)	Stainless Steel	7.5 N/cm (65 oz/in) ¹
72 h	70 °C (158 °F)	ABS	5 N/cm (50 oz/in) ¹
72 h	70 °C (158 °F)	Polypropylene (PP)	4 N/cm (35 oz/in) ¹

¹ 12 in/min (300 mm/min)

Static Shear

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

Temperature	Test Condition	Value
22 °C (72 °F)	1000g	10,000 min ¹
70 °C (158 °F)	500g	10,000 min ¹
93 °C (200 °F)	1000g	10,000 min ¹

¹ 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
1000g	265 °F (200 min) ¹
500g	250 min (310 °F) ¹

¹ 1 x 1 in Area Contact

Typical Environmental Performance

Attribute Name	Test Method	Dwell Time	Temperature	Environmental Condition	Substrate	Backing	Value
180° Peel Adhesion	ASTM D3330	72 h	32 °C (90 °F)	90%RH	Stainless Steel	2 mil Aluminum Foil	15.0 N/cm (140.0) ¹
180° Peel Adhesion	ASTM D3330	72 h	32 °C (90 °F)	90%RH	ABS	2 mil Aluminum Foil	9.3 N/cm (85.0) ¹
180° Peel Adhesion	ASTM D3330	72 h	32 °C (90 °F)	90%RH	Polypropylene (PP)	2 mil Aluminum Foil	6.2 N/cm (57.0) ¹

Attribute Name	Test Method	Dwell Time	Temperature	Environmental Condition	Substrate	Backing	Value
Fogging (Photometric method)	SAEJ1756	1 h					95 % ²
90° Peel Adhesion	ASTM D3330	72 h	32 °C (90 °F)	90%RH	Stainless Steel	2 mil Aluminum Foil	14 N/cm (120 oz/in) ¹
90° Peel Adhesion	ASTM D3330	72 h	32 °C (90 °F)	90%RH	ABS	2 mil Aluminum Foil	6 N/cm (60 oz/in) ¹
90° Peel Adhesion	ASTM D3330	72 h	32 °C (90 °F)	90%RH	Polypropylene (PP)	2 mil Aluminum Foil	5 N/cm (43 oz/in) ¹

¹ 12 in/min (300 mm/min)

² 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.

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ISO Statement

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

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