



Technical Data Sheet

3M™ Adhesive Transfer Tape 9772WL+



[Product Details](#)

Product Description

3M™ Adhesive Transfer Tape 9772WL+ 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	Test Method	Value
Adhesive Type		300MP+ Acrylic
Density		0.91 g/cm ³
Total Tape Thickness	ASTM D3652	0.051 mm (2 mil) (0.002 in)

Attribute Name	Value
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 (73 °F)	Stainless Steel	4 N/cm (37 oz/in) ¹
72 h	23 °C (73 °F)	ABS	4.5 N/cm (41 oz/in) ¹
72 h	23 °C (73 °F)	Polypropylene (PP)	4 N/cm (37 oz/in) ¹
72 h	23 °C (73 °F)	Stainless Steel	7 N/cm (63 oz/in) ¹
72 h	70 °C (158 °F)	ABS	6 N/cm (58 oz/in) ¹
72 h	70 °C (158 °F)	Polypropylene (PP)	4 N/cm (39 oz/in) ¹
72 h	70 °C (158 °F)	Stainless Steel	7 N/cm (63 oz/in) ¹

¹ 300 mm/min (12 in/min)

90° Peel Adhesion

Dwell Time: 72 h
Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

Temperature	Substrate	Value
23 °C (73 °F)	ABS	4 N/cm (35 oz/in) ¹
23 °C (73 °F)	Polypropylene (PP)	3 N/cm (28 oz/in) ¹
23 °C (73 °F)	Stainless Steel	6 N/cm (55 oz/in) ¹
70 °C (158 °F)	ABS	5 N/cm (43 oz/in) ¹
70 °C (158 °F)	Polypropylene (PP)	3 N/cm (31 oz/in) ¹
70 °C (158 °F)	Stainless Steel	9 N/cm (80 oz/in) ¹

¹ 300 mm/min (12 in/min)

Attribute Name	Value
Short Term Temperature Resistance	121 °C (250 °F) ¹
Long Term Temperature Resistance	107 °C (225 °F) ²

¹ Maximum temperature where tape supports 200g load per 6.5cm² (1 in²) in static shear for 60 minutes.

² Maximum temperature where tape supports 200g load per 6.5cm² (1 in²) in static shear for 10,000 minutes.

Typical Environmental Performance

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

Attribute Name	Substrate	Value
180° Peel Adhesion	ABS	5.1 N/cm (47 oz/in) ¹
180° Peel Adhesion	Polypropylene (PP)	4.6 N/cm (42 oz/in) ¹
180° Peel Adhesion	Stainless Steel	10 N/cm (97 oz/in) ¹
90° Peel Adhesion	ABS	4 N/cm (40 oz/in) ¹
90° Peel Adhesion	Polypropylene (PP)	4 N/cm (35 oz/in) ¹
90° Peel Adhesion	Stainless Steel	9 N/cm (83 oz/in) ¹

¹ 300 mm/min (12 in/min)

Dwell Time: 1 h

Attribute Name	Test Method	Value
Fogging (Photometric method)	SAEJ1756	95 % ¹

¹ 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

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ISO Statement

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

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.

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