Product Description

Technical Data Sheet

3M™ Adhesive Transfer Tape 9775WL

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

3M™ Adhesive Transfer Tape 9775WL with 3M™ Adhesive 300MP is suitable for bonding to most surfaces. The acrylic adhesive provides an excellent bond to various fabricated foams, fabrics, substrates, and has good shear strength at elevated temperatures. This tape also meets the highly variable needs of most gasket fabricators.

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	300MP Acrylic Adhesive	
Liner Color	White	View
Test Name: Primary		
Liner	96# Polycoated Kraft Paper	
Liner Thickness	0.18 mm	
Liner Print	None	
Total Tape Thickness (mil)	5 mil	View
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.127 mm	View
Test Method: ASTM D3652		
Total Tape Thickness	0.005 in	View

Test Method: ASTM D3652

Liner Thickness	7 mil

Typical Performance Characteristics

Property	Values	Additional Information
90° Peel Adhesion	5.5 lb/in	View

Test Method: ASTM D3330

Dwell/Cure Time: 24.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Backing: 5 mil Aluminum Foil

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

90° Peel Adhesion	8 N/cm	View

Test Method: ASTM D3330

Dwell/Cure Time: 15.0
Dwell Time Units: min
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: ABS
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	72 oz/in	View

Test Method: ASTM D3330

Dwell/Cure Time: 15.0
Dwell Time Units: min
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: ABS
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	5.1 N/cm	View

Test Method: ASTM D3330

Dwell/Cure Time: 15.0
Dwell Time Units: min
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: Polypropylene (PP)
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	46 oz/in	View

Test Method: ASTM D3330

Dwell/Cure Time: 15.0
Dwell Time Units: min
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: Polypropylene (PP)
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	9.8 N/cm	View

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
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	88 oz/in	View

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
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	19.7 N/cm	View

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 70C
Temp F: 158F
Environmental Condition: 50%RH
Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	177 oz/in	View

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 70C
Temp F: 158F
Environmental Condition: 50%RH
Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	5.4 N/cm	View

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F

Environmental Condition: 50%RH
Substrate: ABS
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	49 oz/in	View

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: ABS
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	4.9 N/cm	View

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: Polypropylene (PP)
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	44 oz/in	View

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: Polypropylene (PP)
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	12.2 N/cm	View

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 38C
Temp F: 100F
Environmental Condition: 100%RH
Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	110 oz/in	View

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 38C
Temp F: 100F
Environmental Condition: 100%RH
Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	7.2 N/cm	View

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 70C
Temp F: 158F
Environmental Condition: 50%RH
Substrate: Polypropylene (PP)
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	65 oz/in	View

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 70C
Temp F: 158F
Environmental Condition: 50%RH
Substrate: Polypropylene (PP)
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	6.1 N/cm	View

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 70C
Temp F: 158F
Environmental Condition: 50%RH
Substrate: ABS
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	55 oz/in	View

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 70C
Temp F: 158F
Environmental Condition: 50%RH
Substrate: ABS
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion Polypropylene (PP)	2.87 lb/in	View

Test Method: ASTM D3330

Test Name: 90° Peel Adhesion
Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: Polypropylene (PP)
Backing: 2 mil PET

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

90° Peel Adhesion ABS	4.5 lb/in	View

Test Method: ASTM D3330

Test Name: 90° Peel Adhesion
Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: ABS

Short Term Temperature Resistance	250 °F	View

Test Condition: Short Term (minutes, hour)

Short Term Temperature Resistance	121 °C	View

Test Condition: Short Term (minutes, hour)

Long Term Temp C	93 °C	View

Test Condition: Long Term (day, weeks)

Long Term Temp F	200 °F	View

Test Condition: Long Term (day, weeks)

Static Shear	10000 g	View

Test Method: ASTM D3654

Temp C: 23C
Temp F: 73F
Substrate: Stainless Steel

Notes: Tested at various temperatures and gram loadings. 0.5 in² (3.23 cm²). Will hold listed weight for 10,000 minutes (approximately 7 day).

Static Shear	10000 min	View

Test Method: ASTM D3654

Dwell/Cure Time: 60.0
Dwell Time Units: min
Test Condition: 1000 g @ Room Temperature

Notes: 1" x 1" Overlap

Static Shear	10000 min	View

Test Method: ASTM D3654

Dwell/Cure Time: 60.0
Dwell Time Units: min
Test Condition: 250 g @ 70°C (158°F) high temperature shears

Notes: 1" x 1" Overlap

UV Resistance	Adhesive is resistant to oxidation and ozone when exposed to air or ultraviolet light.

Available Sizes

Property	Values	Additional Information
Standard Roll Length	180 yd	
Maximum Available Width	60 in	
Normal Slitting Tolerance	± 1/32 in	
Core Size (ID)	75 mm	
Core Size (ID)	3 in	

Typical Environmental Performance

No adverse effect on the bond after exposure to 100% relative humidity at 100°F (38°C)

Storage and Shelf Life

Store in the original packaging at room temperature conditions of 72°F (22°C) and 50% relative humidity. Keep out of direct sunlight.
Product retains its performance properties for 24 months from date of manufacture.

Industry Specifications

EN 45545 test report for details (ISO 5659-2, ISO 9239-1, ISO 5658-2, ISO 5660-1)

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.

Bottom Matter

3M
Industrial Adhesives and Tapes Division
3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-362-3550

Trademarks

3M is a trademark of 3M Company.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40065884/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=9775WL

Family Group

Link Tags:

9772WL | 9773WL | 9774WL | 9775WL | 9687C | 9687C | 99786 | 99786NP

Products	Liner Color	Liner	Liner Thickness	Total Tape Thickness (mm)	Long Term Temp C	Long Term Temp F	Short Term Temperature Resistance	Adhesive Type
9774WL	White	96# Polycoated Kraft Paper	0.18 mm	0.102 mm	93 °C	200 °F	N/A	N/A
9775WL	N/A	N/A	N/A	N/A	93 °C	N/A	121 °C	N/A
9772WL	N/A	N/A	0.18 mm	N/A	93 °C	200 °F	121 °C	N/A
9773WL	White	96# Polycoated Kraft Paper	0.18 mm	0.076 mm	93 °C	200 °F	N/A	300MP Acrylic Adhesive

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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