



3M™ Adhesive Transfer Tape 9775WL

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www.marianinc.com

1-800-773-0062

Product Description

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	96# Polycoated Kraft Paper	
Liner Thickness	0.18 mm	
Liner Color	White	View
Test Name: Primary		
Total Tape Thickness	5 mil	View
Test Method: ASTM D3652		
Total Tape Thickness	0.127 mm	View
Test Method: ASTM D3652		
Total Tape Thickness	0.005 in	View
Test Method: ASTM D3652		

Liner Print	None
Liner Thickness	7 mil

Typical Performance Characteristics

Property	Values	Additional Information
90° Peel Adhesion	5.5 lb/in	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 24.0 Dwell Time Units: hr Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Backing: 5 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion	8 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>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</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion	72 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>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</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion	5.1 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>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</p> <p>Notes: 12 in/min (300 mm/min)</p>		
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

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)

Short Term Temperature Resistance

250 °F

Short Term Temperature Resistance

121 °C

Long Term Temperature Resistance

93 °C

Long Term Temperature Resistance

200 °F

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 
<p>Test Method: ASTM D3654</p> <p>Dwell/Cure Time: 60.0 Dwell Time Units: min</p> <p>Notes: "1" x 1" overlap</p>		
Static Shear	10000 min	View 
<p>Test Method: ASTM D3654</p> <p>Dwell/Cure Time: 60.0 Dwell Time Units: min</p> <p>Notes: "1" x 1" overlap</p>		
UV Resistance	Adhesive is resistant to oxidation and ozone when exposed to air or ultraviolet light.	
90° Peel Adhesion	12.2 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>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</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion	110 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>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</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion	7.2 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>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</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion	65 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr</p>		

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 
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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 
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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 
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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 
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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

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 \(ISO 5659-2, ISO 9239-1, ISO 5658-2, ISO 5660-1\)](#)

Bottom Matter

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References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/~/3M-Adhesive-Transfer-Tape-9775WL/?N=5002385+3293240967&rt=rud
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

ISO Statement

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

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