

2019-11-01 00:00:00

3M™ Adhesive Transfer Tape 9775WL

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 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		Method	Attribute Modifier
Total Tape Thickness	0.127 mm	0.005 in	ASTM D3652	
Adhesive Type	300MP Acrylic Adhesive			
Adhesive Thickness	0.127 mm	5 mil		
Liner	96# Polycoated Kraft Paper			
Liner Color	White			Primary
Liner Thickness	0.18 mm	7 mil		

Typical Performance Characteristics

90° Peel Adhesion			Dwell/Cure Time	Dwell Time Units	Temp C	Temp F	Environmental Condition	Substrate	Backing
5.5 lb/in	9.8 N/cm	88 oz/in	72	hr	22C	72F	52%RH	Stainless Steel	2 mil Aluminum Foil
8 N/cm	72 oz/in		15	min	22C	72F	52%RH	ABS	2 mil Aluminum Foil
5.1 N/cm	46 oz/in		15	min	22C	72F	52%RH	Polypropylene (PP)	2 mil Aluminum Foil
19.7 N/cm	177 oz/in		72	hr	70C	158F	52%RH	Stainless Steel	2 mil Aluminum Foil
5.4 N/cm	49 oz/in	4.5 lb/in	72	hr	22C	72F	52%RH	ABS	2 mil Aluminum Foil
4.9 N/cm	44 oz/in		72	hr	22C	72F	52%RH	Polypropylene (PP)	2 mil Aluminum Foil
12.2 N/cm	110 oz/in		72	hr	38C	100F	100%RH	Stainless Steel	2 mil Aluminum Foil
7.2 N/cm	65 oz/in		72	hr	70C	158F	52%RH	Polypropylene (PP)	2 mil Aluminum Foil

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Typical Performance Characteristics (continued)

90° Peel Adhesion			Dwell/Cure Time	Dwell Time Units	Temp C	Temp F	Environmental Condition	Substrate	Backing
6.1 N/cm	55 oz/in		72	hr	70C	158F	52%RH	ABS	2 mil Aluminum Foil
2.87 lb/in			72	hr	22C	72F	52%RH	Polypropylene (PP)	2 mil PET

Property: 90° Peel Adhesion
 Method: ASTM D3330
 notes: 12 in/min (300 mm/min)

Static Shear	Test Condition	Substrate	Notes	Dwell/Cure Time
10000 g	Room Temperature	Stainless Steel	Tested at various temperatures and gram loadings. 0.5 in ² (3.23 cm ²). Will hold listed weight for 10,000 minutes (approximately 7 days).	
10000 min	1000 g @ Room Temperature		1" x 1" Overlap	60 min
10000 min	250 g @ 70°C (158°F) high temperature shears		1" x 1" Overlap	60 min

Property: Static Shear
 Method: ASTM D3654

Property	Values		Notes	Test Condition
Short Term Temperature Resistance	121 °C	250 °F	No change in room temperature dynamic shear properties following 4 hours conditioning at indicated temperature with 100 g/static load. (Represents minutes, hours in a process type temperature exposure).	
Relative High Temperature Operating Ranges	121 °C	250 °F		Short Term (minutes, hours)
UV Resistance	Adhesive is resistant to oxidation and ozone when exposed to air or ultraviolet light.			

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Available Sizes

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

Typical Environmental Performance

Humidity Resistance

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)

Trademarks

3M is a trademark of 3M Company.

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

Family Group

	9772WL	9773WL	9774WL	9775WL
Relative High Temperature Operating Ranges (°C) Test Condition: Short Term (minutes, hours)	121	121	121	121

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Family Group (continued)

	9772WL	9773WL	9774WL	9775WL
Liner Color Attribute Modifier: Primary	White	White	White	White
Total Tape Thickness (mm)	0.05	0.076	0.101	0.127
Adhesive Type	300MP Acrylic Adhesive	300MP Acrylic Adhesive	300MP Acrylic Adhesive	300MP Acrylic Adhesive
Adhesive Thickness (mm)	0.051	0.076	0.102	0.127
Liner	96# Polycoated Kraft Paper	96# Polycoated Kraft Paper	96# Polycoated Kraft Paper	96# Polycoated Kraft Paper
Liner Thickness (mm)	0.18	0.18	0.18	0.18

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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