

April, 2011

3M™ Adhesive Transfer Tape 9775WL

Product Description

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	
Adhesive Type	300MP Acrylic Adhesive	
Adhesive Thickness	0.127 mm	5 mil
Liner	96# Polycoated Kraft Paper	
Liner Thickness	0.18 mm	7 mil
Liner Color	White	

Typical Performance Characteristics

Property	Values		Test Condition	Method	Dwell/Cure Time	Notes
Relative High Temperature Operating Ranges	121 °C	250 °F	Short Term (minutes, hours)			
Static Shear	10,000 min		1000 g @ Room Temperature	ASTM D3654	60 min	1" x 1" Overlap
Static Shear	10,000 min		250 g @ 70°C (158°F) high temperature shears	ASTM D3654	60 min	1" x 1" Overlap

90° Peel Adhesion		Dwell/Cure Time	Substrate
9.8 N/cm	88 oz/in	72 hr @ Room Temperature	Stainless Steel
19.7 N/cm	177 oz/in	72 hr @ 158°F(70°C)	Stainless Steel
12.2 N/cm	110 oz/in	72 hr @100°F(38°C)/100% RH	Stainless Steel
5.1 N/cm	46 oz/in	15 min @ Room Temperature	Polypropylene (PP)
4.9 N/cm	44 oz/in	72 hr @ Room Temperature	Polypropylene (PP)
7.2 N/cm	65 oz/in	72 hr @ 158°F(70°C)	Polypropylene (PP)
8 N/cm	72 oz/in	15 min @ Room Temperature	ABS
5.4 N/cm	49 oz/in	72 hr @ Room Temperature	ABS

Table continued on next page

Typical Performance Characteristics (continued)

90° Peel Adhesion		Dwell/Cure Time	Substrate
6.1 N/cm	55 oz/in	72 hr @ 158°F(70°C)	ABS

Property: 90° Peel Adhesion
Method: ASTM D3330
Backing: 2 mil Aluminum Foil
notes: 12 in/min (300 mm/min)

Typical Environmental Performance

Property	Values
Humidity Resistance	No adverse effect on the bond after exposure to 100% relative humidity at 100°F (38°C)
U.V. Resistance	Adhesive is resistant to oxidation and ozone when exposed to air or ultraviolet light.

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.

Trademarks

3M is a trademark of 3M Company.

References

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
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
Liner Color	White	White	White	White

ISO Statement

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

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Selection and Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer

Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability

Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

