

March, 2018

3M™ Adhesive Transfer Tape 9626

Product Description

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

3M™ Adhesive Transfer Tapes with 3M™ Quick Bonding Adhesive 360 provides high bond strength to most surfaces, including many low surface energy plastics such as polypropylene and powder coated paints.

Product Features

- Excellent adhesion to difficult to bond to surfaces such as HDPE, LDPE, and PP.
- Super quick stick.
- Higher adhesion from a thinner tape.
- Excellent solvent resistance.



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	Test Name
Total Tape Thickness	2 mil	0.05 mm	ASTM D3652	
Liner Print	None			
Liner Thickness	3.2 mil	0.08 mm		
Adhesive Type	Acrylic			
Liner	60# Glassine			
Liner Color	Natural			Primary

Typical Performance Characteristics

Property	Values		Test Condition	Method	Notes
Short Term Temperature Resistance	350 °F	177 °C	Short Term (minutes, hour)		
Long Term Temperature Resistance	200 °F	93 °C	Long Term (day, weeks)		
Static Shear	>10,000 min		1000 g @ Room Temperature	ASTM D3654	1 in ² sample size

180° Peel Adhesion		Test Name	Dwell/Cure Time	Dwell Time Units	Substrate
12 N/cm	114 oz/in	Faceside	30	sec	Polypropylene (PP)
12 N/cm	114 oz/in	Faceside	15	min	Polypropylene (PP)
13 N/cm	121 oz/in	Faceside	72	hr	Polypropylene (PP)
13 N/cm	115 oz/in	Faceside	72	hr	ABS
14 N/cm	124 oz/in	Faceside	72	hr	Stainless Steel
14 N/cm	124 oz/in	Faceside	72	hr	Polycarbonate (PC)
8 N/cm	70 oz/in	Faceside	72	hr	Polyethylene (PE)
11 N/cm	104 oz/in	Backside	30	sec	Polypropylene (PP)
12 N/cm	109 oz/in	Backside	15	min	Polypropylene (PP)

Table continued on next page

Typical Performance Characteristics (continued)

180° Peel Adhesion		Test Name	Dwell/Cure Time	Dwell Time Units	Substrate
12 N/cm	114 oz/in	Backside	72	hr	Polypropylene (PP)
11 N/cm	103 oz/in	Backside	72	hr	ABS
13 N/cm	118 oz/in	Backside	72	hr	Stainless Steel
13 N/cm	123 oz/in	Backside	72	hr	Polycarbonate (PC)
7 N/cm	66 oz/in	Backside	72	hr	Polyethylene (PE)

Property: 180° Peel Adhesion

Method: ASTM D3330

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Backing: Aluminum Foil

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

Typical Environmental Performance**Environmental Resistance**

Humidity Resistance: High humidity has minimal effect on adhesive performance.

No significant reduction in bond strength is observed after exposure for 72hrs at 150°F (65°C) and 90% relative humidity.

UV Resistance: When properly applied, nameplates and decorative trim parts are not adversely affected by exposure.

Water Resistance: Immersion in water has no appreciable effect on the bond strength. After 100 hours at room temperature, the high bond strength is maintained.

Temperature Cycling Resistance: High bond strength is maintained after cycling six times through:

8 hours at -4°F (-20°C)

8 hours at 150°F (65°C) /90% RH

Chemical Resistance: When properly applied, nameplate and decorative trim parts will hold securely after exposure to numerous chemicals including oil, mild acids, and alkalis.

Handling/Application Information**Application Examples**

- Foam to powder coated painted surfaces.
- Low surface energy plastic adhesion.

Application Techniques

Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application will assist the adhesive in developing intimate contact with the bonding surface.

To obtain optimum adhesion, the bonding surfaces must be clean, dry, and well unified. Typical surface cleaning solvents are methyl ethyl ketone for metals or isopropyl alcohol for plastics.*

Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

*When using solvents, extinguish all ignition sources, including pilot lights, and follow the manufacturers precautions and directions for use. These cleaning recommendations may not be compliant with the rules of certain Air Quality Management Districts in California; consult applicable rules before use.

Handling/Application Information (continued)

Application Equipment

To apply adhesives in a wide web format, lamination equipment is required to ensure acceptable quality. To learn more about working with pressure-sensitive adhesives please refer to technical bulletin, 3M™ Lamination Techniques for Converters of Laminating Adhesives (70-0704-1430-8). For additional dispenser information, contact your local 3M sales representative, or the toll free 3M sales assistance number at 1-800-362-3550.

Storage and Shelf Life

Store in original cartons at 70°F (21°C) and 50% relative humidity. If stored under proper conditions, product retains its performance and properties for 24 months from date of manufacture.

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-9626X/?N=5002385+3293241375&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=9626

Family Group

	9626	9627
Long Term Temperature Resistance (°F) Test Condition: Long Term (day, weeks)	200	200
Short Term Temperature Resistance (°C) Test Condition: Short Term (minutes, hour)	176.6667	176.6667
Liner Color Test Name: Primary	Natural	Natural
Long Term Temperature Resistance (°C) Test Condition: Long Term (day, weeks)	93.33333	93.33333
Total Tape Thickness (mm)	0.05	0.13
Adhesive Type	Acrylic	Acrylic
Liner	60# Glassine	60# Glassine
Liner Thickness (mm)	0.08	0.08

ISO Statement

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

Information

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

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. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 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, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 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 for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

Disclaimer: 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use. Unless specifically stated otherwise on the applicable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature), and must be selected and used in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and limitations, and the user must take any action required under any recall, field action or other product use notice. Misuse of 3M industrial and occupational products may result in injury, sickness, or death. For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit www.3M.com.



3M United States
3M Center
St. Paul, MN 55144-1000
800-362-3550
www.3M.com

Please recycle.
© 3M 2021. All Rights Reserved.

The brands listed above are trademarks of 3M

