

August, 2000

3M™ Scotch® ATG Tape 976

Product Description

0.002 in. (0.05 mm) thick high-tack adhesive transfer tape

Tape is reverse wound on 1-inch diameter cores for use in Scotch ATG dispensers.



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General Information

- ATG tapes are a reverse wound version of standard 3M Adhesive Transfer and Double Coated tapes for use in the Scotch® ATG hand-held dispensers. Comparable 3M tape is 3M ATT Tape 927

Note: The user should carefully evaluate the product under actual use conditions to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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	
Color	Clear	
Total Tape Thickness without liner	0.05 mm	2 mil
Adhesive	*300	
Adhesive Carrier	N/A	
Release Liner	Tan Paper *DK with Red Plaid Leader	
Liner Thickness	0.10 mm	4 mil

*Note

*DK = densified kraft

Adhesive System 300 is a soft acrylic pressure-sensitive adhesive system. It features very high initial adhesion and good shear holding power to a wide variety of materials including most plastics.

Typical Performance Characteristics

Property	Values		Method	Substrate
90° Peel Adhesion	6.6 N/cm	60 oz/in	ASTM D3330	Stainless Steel
Solvent Resistance	Medium			
UV Resistance	Not recommended for direct exposure to sunlight or other sources of U.V. light.			

Relative High Temperature Operating Ranges		Test Condition
121 °C	250 °F	Short Term (minutes, hours)
82 °C	180 °F	Long Term (days, weeks)

Property: Relative High Temperature Operating Ranges

Available Sizes

Property	Values	
Note	Subject to Minimum Order Requirements	
Standard Length	32.9, 54.9 m	36, 60 yd
Available Width	6.35, 12.7, and 19.1 mm	1/4, 1/2, and 3/4 in
Normal Slitting Tolerance	± 0.8 mm	± 1/32 in
Core Size (ID)	25.4 mm	1.0 in

Handling/Application Information

Application Ideas

Tape 976 is ideal for bonding materials with glossy coatings where an aggressive adhesive with high initial adhesion is desired. Some application ideas are:

- Folders and boxes
- Attach fabric swatches in sample books
- Assemble point-of-purchase displays

Application Techniques

- Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure helps develop better adhesive contact and improve bond strength.
- To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Typical surface cleaning solvents are isopropyl alcohol and water (rubbing alcohol) or heptane. Note: Be sure to follow the manufacturer’s precautions and directions for use when using solvents.
- 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.

Storage and Shelf Life

24 months from date of manufacture when stored in original cartons at 70°F (21°C) and 50% relative humidity.

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=976

Family Group

	908	924	926	928	969	976	987
Relative High Temperature Operating Ranges (°C) Test Condition: Short Term (minutes, hours)	82	121	232	82	121	121	82
Relative High Temperature Operating Ranges (°C) Test Condition: Long Term (days, weeks)	66	82	149	49	82	82	121
Color	Clear	Clear	Clear	White	Clear	Clear	Clear

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Family Group (continued)

	908	924	926	928	969	976	987
Total Tape Thickness without liner (mm)		0.05	0.13	0.05	0.13	0.05	0.04
Adhesive		*400	*350	*400/1000	*300	*300	*400 Acrylic
Adhesive Carrier	N/A	N/A	N/A	Tissue	N/A	N/A	N/A
Release Liner	White Paper Liner with Gold Plaid Leader	Tan Paper *DK with Red Plaid Leader	Tan Paper *DK with Red Plaid Leader	White Paper *PCK with Yellow Leader	Tan Paper *DK with Red Plaid Leader	Tan Paper *DK with Red Plaid Leader	Tan Densified Kraft Paper with Clear Leader
Liner Thickness (mm)	0.08	0.1	0.1	0.15	0.13	0.1	0.09

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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For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit www.3M.com/bonding. Address correspondence to: 3M Engineered Adhesives Division, 3M Center, Building 220-7E-01, St. Paul, MN 55144-1000. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

Recognition/Certification

MSDS: 3M has not prepared a MSDS for these products which are not subject to the MSDS requirements of the Occupational Safety and Health Administration's Hazard Communication Standard, 29 C.F.R. 1910.1200(b)(6)(v). When used under reasonable conditions or in accordance with the 3M directions for use, these products should not present a health and safety hazard. However, use or processing of the products in a manner not in accordance with the directions for use may affect their performance and present potential health and safety hazards. TSCA: These products are defined as articles under the Toxic Substances Control Act and therefore, are exempt from inventory listing requirements.

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