

August, 2000

## 3M™ Scotch® ATG Tape 924

### Product Description

0.002 in. (0.05 mm) thick adhesive transfer tape

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



# 3M™ Scotch® ATG Tape 924

## 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 465

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	*400	
Release Liner	Tan Paper *DK with Red Plaid Leader	
Liner Thickness	0.10 mm	4 mil

### \*Note

\*DK = densified kraft

Adhesive System 400 is a medium-firm acrylic pressure-sensitive adhesive system. It features an excellent balance of good initial adhesion (quick stick) and good shear holding power.

## Typical Performance Characteristics

Property	Values		Method	Substrate
90° Peel Adhesion	2.7 N/cm	25 oz/in	ASTM D3330	Stainless Steel
Solvent Resistance	Good			
UV Resistance	Excellent			

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, 19.1, and 50.8 mm	1/4, 1/2, 3/4, and 2 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 924 is ideal for bonding a wide variety of similar and dissimilar materials such as metals, glass, wood, papers, paints, and many plastics. Some application ideas include:

- Mounting promotional items, posters, etc.
- Core starting.
- Mounting picture frame mat boards and dust covers.

**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.

**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.

**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=924](https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=924)

**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
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

Table continued on next page

**Family Group (continued)**

	908	924	926	928	969	976	987
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.

**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](http://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.

