

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

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

Property	Values		Method	Dwell/ Cure Time	Dwell Time Units	Temp C	Temp F	Environmental Conditions	Substrate	Backing	Notes
Solvent Resistance	Good										
UV Resistance	Excellent										
90° Peel Adhesion	25 oz/in	2.7 N/cm	ASTM D3330	72	hr	22C	72F	52%RH	Stainless Steel	2 mil PET	12 in/min (300 mm/min)

Available Sizes

Property	Values		Attribute Modifier
Note	Subject to Minimum Order Requirements		
Standard Roll 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	25.4 mm	1.0 in	ID

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.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/~-/Scotch-ATG-Adhesive-Transfer-Tape-924/?N=5002385+3293242073&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=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
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. 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

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TSCA: These products are defined as articles under the Toxic Substances Control Act and therefore, are exempt from inventory listing requirements.

Information

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