

June, 2004

3M™ ATG Tape 987

Product Description

3M™ ATG Tape 987 is a general purpose tape for holding many paper, foils, films, and various foams.



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	0.040 mm	1.7 mil
Adhesive	*400 Acrylic	
Release Liner	Tan Densified Kraft Paper with Clear Leader	
Liner Thickness	0.09 mm	3.5 mil
*Note	*3M™ Adhesive 400 is a medium firm acrylic pressure sensitive adhesive system. It features an excellent balance of high initial adhesion (quick stick) and good shear holding power.	

Typical Performance Characteristics

Relative High Temperature Operating Ranges		Test Condition
82 °C	180 °F	Short Term (minutes, hours)
121 °C	250 °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	20 oz/in	2.2 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	6.4, 12.7, 19 mm	1/4, 1/2, 3/4 in	
Normal Slitting Tolerance	± 0.8 mm	± 1/32 in	
Core Size	25.4 mm	1.0 in	ID

Handling/Application Information

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.
- 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

Store in original cartons at 70°F (21°C) and 50% R.H.
To obtain best performance, use this product within 24 months from date of manufacture.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/-/3M-ATG-Adhesive-Transfer-Tape-987/?N=5002385+3293241822&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=987

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

Table continued on next page

Family Group (continued)

	908	924	926	928	969	976	987
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.

Recognition/Certification

MSDS: 3M has not prepared a MSDS for this product which is 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, the product should not present a health and safety hazard. However, use or processing of the product in a manner not in accordance with the directions for use may affect its performance and present potential health and safety hazards.

TSCA: This product is defined as an article under the Toxic Substances Control Act and therefore, it is exempt from inventory listing requirements.

Information

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