

December, 2007

## 3M™ Splicing Tape 9576

### Product Description

3M™ Splicing Tapes offer excellent flying splice and core starting wet grab characteristics. They are typically used in the printing industry and perform well at process speeds in excess of 2000 feet per minute and can be used through ovens up to 450°F (232°C) if dwell times are ten seconds or less.

3M™ Adhesive 400 is a medium-firm acrylic pressure-sensitive adhesive system which features an excellent balance of good initial adhesion (quick stick) and good shear holding power.



**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		Attribute Modifier
Color	Clear		
Total Tape Thickness without liner	0.1 mm	4 mil	
Carrier Thickness	0.025 mm	1 mil	
Adhesive Type	400		
Adhesive Carrier	Polypropylene		
Liner	60# Densified Kraft Paper		
Liner Color	Tan		Primary
Liner Thickness	0.1 mm	4 mil	

**Typical Performance Characteristics**

Relative High Temperature Operating Ranges		Test Condition
75 °C	165 °F	Short Term (minutes, hours)
50 °C	125 °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 Condition	Substrate	Notes
180° Peel Adhesion	5.4 N/cm	30 oz/in	ASTM D3330	72	hr	22C	72F	52%RH	Stainless Steel	12 in/min (300 mm/min)

**Available Sizes**

Contact customer service at 1-800-362-3550 for details on available sizes.

## 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 improves bond strength.

To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Some typical surface cleaning solvents are isopropyl alcohol or heptane.\* 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.

\*Note: Carefully read and follow the manufacturer's precautions and directions for use when using solvents.

### Application Equipment

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 two years from date of manufacture.

### Trademarks

3M is a trademark of 3M Company.

### References

Property	Values
3m.com Product Page	<a href="https://www.3m.com/3M/en_US/company-us/all-3m-products/~/3M-Double-Coated-Tape-9576?N=5002385+3292956295&amp;rt=rud">https://www.3m.com/3M/en_US/company-us/all-3m-products/~/3M-Double-Coated-Tape-9576?N=5002385+3292956295&amp;rt=rud</a>
Safety Data Sheet (SDS)	<a href="https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=9576">https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=9576</a>

### Family Group

	9464	9498	9576	9576B	9576R	9578
Relative High Temperature Operating Ranges (°C) Test Condition: Short Term (minutes, hours)	121	121	75	75	75	75
Relative High Temperature Operating Ranges (°C) Test Condition: Long Term (days, weeks)	82	82	50	50	50	50
Liner Color Attribute Modifier: Primary	Tan	Tan	Tan	Tan	Tan	White
Color	Pink	Clear	Clear	Black	Red	Clear
Total Tape Thickness without liner (mm)	0.05	0.05	0.1	0.1	0.1	0.1
Carrier Thickness (mm)			0.025	0.025	0.025	0.025

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## 3M™ Splicing Tape 9576

### Family Group (continued)

	9464	9498	9576	9576B	9576R	9578
Adhesive Type	400	400	400	400	400	400
Adhesive Carrier	None	None	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Liner	60# Densified Kraft Paper	60# Densified Kraft Paper	60# Densified Kraft Paper	60# Densified Kraft Paper	60# Densified Kraft Paper	54# Densified Kraft Paper
Liner Thickness (mm)	0.08	0.08	0.1	0.1	0.1	0.1

### 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 MSDS's 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 these 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 not defined as articles under the Toxic Substances Control Act and therefore, are exempt from inventory listing requirements.

## Information

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