



Splicing Tapes

9464 • 9498 • 9576 • 9576B • 9576Y • 9576R • 9578

Technical Data

December, 2007

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.

Construction	Product	3M™ Splicing Tape 9464	3M™ Splicing Tape 9498	3M™ Splicing Tapes 9576/9576B 9576Y/9576R	3M™ Splicing Tape 9578
Adhesive Family:*		400	400	400	400
Carrier:		None	None	0.001" Polypropylene	0.001" Polypropylene
Release Liner:		60# Densified Kraft Paper, Tan	60# Densified Kraft Paper, Tan	60# Densified Kraft Paper, Tan	54# Densified Kraft Paper, White
Thickness: Tape		0.002 in. (0.05 mm)	0.002 in. (0.05 mm)	0.004 in. (0.10 mm)	0.004 in. (0.10 mm)
Liner		0.003 in. (0.08 mm)	0.003 in. (0.08 mm)	0.004 in. (0.10 mm)	0.004 in. (0.10 mm)
Tape Color:		Pink	Clear	9576: Clear 9576B: Black 9576Y: Yellow 9576R: Red	Clear

*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.

Typical Physical Properties **Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

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Adhesion to Steel: (ASTM D3330 - 180° peel)	20 oz./in. (24 N/100 mm)	20 oz./in. (24 N/100 mm)	30 oz./in. (54 N/100 mm)	30 oz./in. (54 N/100 mm)
Relative High Temperature Operating Ranges:				
Short Term (minutes, hours)	250°F (121°C)	250°F (121°C)	165°F (75°C)	165°F (75°C)
Long Term (days, weeks)	180°F (82°C)	180°F (82°C)	125°F (50°C)	125°F (50°C)

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Available Sizes	Contact customer service at 1-800-362-3550 for details on available sizes.
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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.
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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.
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Storage	Store in original cartons at 70°F (21°C) and 50% relative humidity.
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Shelf Life	If stored under proper conditions, product retains its performance and properties for two years from date of manufacture.
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Certification/ Recognition

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.

Product Use

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



Industrial Adhesives and Tapes Division

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