



Technical Data Sheet

3M™ Splicing Tape 9578



[Regulatory Info/SDS](#)

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

Attribute Name	Test Method	Value
Color		Clear
Adhesive Type		400
Adhesive Carrier		Polypropylene
Carrier Thickness		0.025 mm (1 mil)
Total Tape Thickness	ASTM D3652	0.1 mm (4 mil)
Liner		54# Densified Kraft Paper
Liner Thickness		0.1 mm (4 mil)
Primary Liner Color		White

Typical Performance Characteristics

Substrate: Stainless Steel
Temperature: 23 °C (73 °F)
Dwell Time: 72 h

Attribute Name	Test Method	Value
180° Peel Adhesion	ASTM D3330	5.4 N/cm (30 oz/in) ¹

¹ 304 mm/min (12 in/min)

Attribute Name	Value
Short Term Temperature Resistance	75 °C (165 °F) ¹
Long Term Temperature Resistance	50 °C (125 °F) ²

¹ Short Term (minutes, hour)

² Long Term (day, weeks)

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 under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Available Sizes - Detailed

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

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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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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