



Silicone Splicing Tape

253

Technical Data

Product Description 3M™ Silicone Splicing Tape 253 is a single-coated paper tape with a modified poly liner implemented as a second liner on the FACE SIDE of the tape. This second liner is added to help ensure roll quality, ease of unwind and protection of the adhesive against contamination until the splice is ready to be made.

| Product Construction | Backing | Adhesive | Standard Roll Length | Standard Widths* |
|----------------------|------------------------|----------|----------------------|---|
| | Silicone treated paper | Silicone | 60 yds. (54.8 m) | 1 in. (25.4 mm) 1.5 in. (38.1 mm) 2.0 in. (50.8 mm) 4.0 in. (101.6 mm) |

*Non-standard widths may be subject to minimum order requirements.

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.**

| | | ASTM Test Method |
|--------------------------------------|----------------------------|------------------|
| Total Thickness without poly liner: | 0.005 in. (0.127 mm) | D-3652 |
| Total Tape Thickness: | 0.0075 in. (0.191 mm) | D-3652 |
| Initial Adhesion to Steel: | 49 oz./in. (53.6 N/100 mm) | 90° peel, |
| 24 Hour Dwell: | 64 oz./in. (70.0 N/100 mm) | rate: 5 in./min. |
| Temperature Use Range: | Up to 150°F (66°C) | |
| Recommended Application Temperature: | 50° to 100°F (10° to 38°C) | |

- Features**
- Special silicone adhesive that exhibits excellent “web-grab” and peel adhesion to many silicone treated materials.
 - Silicone-coated backing enables the splice to be functional.
 - Materials will release from the tape backing as easily as from the material itself.

- Application Techniques**
- Bond strength is dependent upon the amount of adhesive-to-surface contact that is developed. Firm application pressure and proper rub-down techniques help develop better adhesive-to-surface contact and improve the bond strength.
 - The face-side poly liner should be removed right before the butt splice is made. This will help prevent the adhesive from becoming contaminated and help in tape handling.

3M™ Silicone Splicing Tape

253

Application Ideas

- Butt-splicing many paper and plastic based materials.
- Ideal for splicing many silicone treated materials.

Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

Shelf Life

To obtain best performance, use this product within 12 months from date of manufacture.

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.

Warranty and Limited Remedy

Unless stated otherwise in 3M's product literature, packaging inserts or product packaging for individual products, 3M warrants that each 3M product meets the applicable specifications at the time 3M ships the product. Individual products may have additional or different warranties as stated on product literature, package inserts or product packages. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is defective within the warranty period, your exclusive remedy and 3M's and seller's sole obligation will be, at 3M's option, to replace the product or refund the purchase price.

Limitation of Liability

Except where prohibited by law, 3M and seller will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

ISO 9001:2000

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



Industrial Business Industrial Adhesives and Tapes Division

3M Center, Building 21-1W-10, 900 Bush Avenue
St. Paul, MN 55144-1000
800-362-3550 • 877-369-2923 (fax)
www.3M.com/industrial



Recycled Paper
40% pre-consumer
10% post-consumer

Printed in U.S.A.
©3M 70-0702-9962-6 (2002/5/05)