



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.

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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

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ISO 9001:2000

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