



# General Purpose Polyester/ Silicone Tape

## 8952 • 8952L (Linered)

Technical Data

September, 2003

### Product Description

3M™ Polyester/Silicone Tape 8952 is a general purpose, 2 mil polyester tape with a silicone adhesive designed for high temperature applications, specifically, it is used as a flashbreaker tape in composite bonding in addition to splicing silicone and non-silicone coated papers and films. This tape also comes in a linered version.

### Product Construction

Backing	Adhesive	Color	Liner	Standard Roll Sizes
Polyester	Silicone	Blue	Transparent Polyester Film (3M™ General Purpose Polyester/Silicone Tape 8952L only)	72 yds. (66 m) unlinered 216 yds. (198 m) linered

### 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
Adhesion to Steel:	40 oz./in. width (44 N/100 mm)	D-3330
Tensile Strength at Break:	55 lbs./in. width (963 N/100 mm)	D-3759
Elongation at Break:	110%	D-3759
Backing Thickness:	2 mils (0.05 mm)	D-3652
Total Tape Thickness: (excluding liner)	3.5 mils (0.09 mm)	D-3652
Liner Thickness: (3M tape 8952L only)	2 mils (0.05 mm)	
Liner Release: (3M tape 8952L only)	11 gm/in.	3MTM 1717 <sup>1</sup>
Temperature Use Range:	Up to 425°F (218°C)	
<sup>1</sup> Note: 180° at 90 in./min.		

### Features

- Designed to provide clean removal during masking operations involving high temperatures and pressure.
- Blue color makes it easy to see for removal.
- Polyester film that retains flexibility and thermal resistance to help reduce failures due to cracking.
- Abrasion, chemical and thermal resistance that helps reduce failures due to backing deterioration.
- Silicone adhesive which has a higher heat resistance than many other adhesives to help reduce failure due to softening, oozing and adhesive transfer.

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## Application Ideas

- Masking edges of overlap seams in metal bonding process where excess epoxy (flash) flows onto tape. Clean-up is complete upon tape removal.
- Composite and Metal bonding – this tape removes cleanly from stainless steel, anodized aluminum and glass after a four-hour bake cycle at 350°F (177°C).
- Holding parts or vacuum bags during bonding process.
- Splicing silicone treated materials, including paper, liners and films.
- One hour photo lab splicing tape.
- Electrical insulation tape.
- Circuit board masking.
- Masking parts in an anodizing process.

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## Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 50% R.H. in the original carton.

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## Shelf Life

To obtain best performance, use this product within 18 months from date of manufacture.

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## For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit [www.3M.com/industrialtape](http://www.3M.com/industrialtape). Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-778-4244. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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## 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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## Warranty and Limited Remedy

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