



# Composite Bonding Tape

## 8901

Technical Data

October, 2003

### Product Description

3M™ Composite Bonding Tape 8901 is a high temperature tape with a silicone adhesive for use in composite bagging operations or to help remove flashing after bonding. This tape is designed to provide clean removal during masking operations involving high temperatures and pressure.

### Product Construction

Backing	Adhesive	Color
Polyester	Silicone	Blue

### 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:	32 oz./in. width (35 N/100 mm)	D-3330
Tensile Strength at Break:	28 lbs./in. width (490 N/100 mm)	D-3759
Elongation at Break:	115%	D-3759
Total Tape Thickness:	2.6 mils (0.06 mm)	D-3652
Temperature Use Range:	Up to 400°F (204°C)	

### Features

- Polyimide film that retains flexibility and thermal resistance and is abrasion, chemical and thermal resistant to help reduce failures.
- Silicone adhesive for higher heat resistance than many other adhesives to help reduce failures due to softening, oozing, adhesive transfer

### Application Ideas

- Composite and metal bonding as it removes cleanly from stainless steel, anodized aluminum and glass after a 5 hour bake cycle at 350°F (177°C).
- Masking edges of overlap seams in metal bonding process where excess epoxy (“flash”) flows onto tape as clean-up is complete upon tape removal.
- Holding parts or vacuum bags during bonding process.
- Masking parts for powder coat painting.
- Splicing silicone treated materials.

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**Storage** Store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.

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**Shelf Life** To obtain best performance, use this product within one year 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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This product was manufactured under a quality system registered to ISO 9001 standards.

**3M**

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