

Composite Bonding Tape

8902

Technical Data

August, 1994

Product Description A high temperature tape with silicone adhesive for use in composite bagging operations or to help remove flashing after bonding.

Construction	Backing	Adhesive	Color
	2 mil Polyester	Silicone	Blue

Typical Physical Properties and Performance Characteristics

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
Total Thickness:	3.4 mils (0.09 mm)	D-3652
Tensile Strength:	53 lbs./in. width (928 N/100 mm)	D-3759
Elongation at Break:	130%	D-3759
Temperature Use Range:	Up to 400°F (204°C)	

General Information

- This tape is designed to provide clean removal during masking operations involving high temperatures and pressure.
- The recommended storage conditions are 70°F (21°C) at humidities of 40 to 50%. Use within 12 months of receipt.

Application Ideas

- Composite and Metal Bonding – This tape 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. 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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Features	Advantages	Benefits
<ul style="list-style-type: none">• Polyester film	<ul style="list-style-type: none">• Retains flexibility and thermal resistance• Abrasion, chemical and thermal resistant	<ul style="list-style-type: none">• Helps reduce failures due to cracking• Helps reduce failures due to backing deterioration
<ul style="list-style-type: none">• Silicone adhesive	<ul style="list-style-type: none">• Higher heat resistance than many other adhesives	<ul style="list-style-type: none">• Helps reduce failure due to softening, oozing, adhesive transfer

For Additional Information

To request additional product information or to arrange for sales assistance, call 612-733-1441. Address correspondence to: 3M Industrial Tape and Specialties Division, 3M Center, Building 220-8E-04, St. Paul, MN 55144-1000. Our fax number is 612-733-9175. In Canada, phone: 1-519-451-2500. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-0400.

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ISO 9002

This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.

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