



Composite Bonding Tape

8905

Technical Data

November, 1994

Supersedes January, 1993

Product Description

A high temperature tape with a silicone adhesive that can be used in many composite bagging operations or to remove flashing after bonding. Also an excellent maskant for many thick epoxy powder coat paints.

Construction

Backing	Adhesive	Color
5 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:	35 oz./in. width (38 N/100 mm)	D-3330
Tensile Strength:	150 lbs./in. width (2627 N/100 mm)	D-3759
Elongation at Break:	130%	D-3759
Total Tape Thickness:	6.6 mils (0.168 mm)	D-3652
Temperature Use Range:	Up to 400°F (204°)	

General Information

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

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Application Ideas

- Composite and Metal Bonding - This tape removes cleanly from stainless steel, anodized aluminum and glass after a five hour brake 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 thick epoxy powder coat painting.
- Splicing silicone treated materials.

Features

- Polyester film
- Silicone adhesive

Advantages

- Retains flexibility and thermal resistance
- Abrasion, chemical and thermal resistant
- Higher heat resistance than many other adhesives

Benefits

- Helps reduce failures due to cracking
- Helps reduce failures due to backing deterioration
- Helps reduce failure due to softening, oozing and adhesive transfer

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-227-5085. 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

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