

3M

Polyester Tape

8902

Technical Data

January, 2004

Product Description 3M™ Polyester Tape 8902 is a high temperature tape with a silicone adhesive for use as a maskant in powder coat painting and is designed to provide clean removal during masking operations involving high temperatures and pressure.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Polyester	Silicone	Blue	72 yds. (66 m)

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:	53 lbs./in. width (928 N/100 mm)	D-3759
Elongation at Break:	130%	D-3759
Backing Thickness:	2 mils (0.5 mm)	D-3652
Total Tape Thickness:	3.4 mils (0.09 mm)	D-3652
Temperature Use Range:	Up to 400°F (204°C)	

Features

- Polyester film that retains flexibility and thermal resistance and is abrasion, chemical and thermal resistant to help reduce failures due to cracking and backing deterioration.
- Silicone adhesive for higher heat resistance than many other adhesives to help reduce failure due to softening, oozing and 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.
- Composite bagging operations or to remove flashing after bonding.

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Storage Store under normal conditions of 60° to 80°F (15° to 27°C) and 40-50% R.H. in the original carton.

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

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. 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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