



3M

Polyester Tape

8991/8991L

Technical Data
April, 2015

Product Description	<p>3M™ Polyester Tape 8991 is a blue polyester tape with a silicone adhesive. It can be used in a large variety of high temperature applications including powdercoat masking, flashbreaker, and bag sealing applications. Additional applications include, splicing, tabbing, or roll closing silicone treated liners or materials.</p>
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Product Construction	Backing	Adhesive	Liner (8991L)	Color	Standard Roll Length
	Polyester	Silicone	Polyester	Blue	72 yds. (65.8 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:	31 oz./in. width (34 N/100 mm) D-3330
Tensile Strength:	29 lbs./in. width (508 N/100 mm) D-3759
Elongation at Break:	100% D-3759
Backing Thickness:	1.0 mils (0.025 mm) D-3652
Total Thickness:	2.4 mils (0.061 mm) D-3652
Liner Thickness (8991L):	3.0 mils (0.075 mm) D-3652
Temperature Use Range:	Up to 400°F (204°C)

Features

- Polyester films offer excellent thermal, abrasion, and chemical resistance while maintaining their flexibility.
- Blue color makes tape placement obvious for both application and removal.
- Thin backing leaves a sharp paint line and some conformability.
- Silicone adhesives offer high heat resistance compared to many rubber and acrylic adhesives, reducing failure due to softening, oozing, and adhesive transfer.
- Silicone adhesives adhere well to tough-to-stick-to surfaces like silicone liners and fixtures coated with mold release.
- Silicone adhesive removes cleanly from many surfaces.
- Lined version available for die-cuts.

Application Ideas	<ul style="list-style-type: none"> • Masking for powdercoat painting. • Flashbreaker tape when pulling through cured coating such as epoxies. • Holding and splicing difficult to stick to surfaces such as silicone liner. • Holding parts or sealing vacuum bags during processing.
Storage	Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original packaging material.
Shelf Life	To obtain best performance, use this product within 24 months from date of manufacture.
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ISO 9002

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