

3M

Polyester Tape

8991/8991L

Technical Data

April, 2015

Product Description 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.

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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