

April, 2015

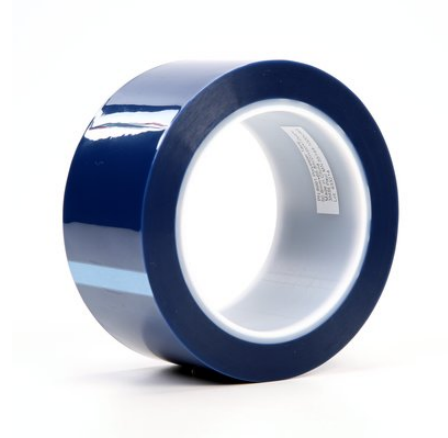
## 3M™ Polyester Tape 8991/8991L

### 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 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.



# 3M™ Polyester Tape 8991/8991L

## Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

## Typical Physical Properties

Property	Values		Method
Color	Blue		
Total Tape Thickness	0.061 mm	2.4 mil	ASTM D3652
Backing Thickness	0.025 mm	1 mil	ASTM D3652
Backing	Polyester		
Adhesive	Silicone		
Liner	Polyester		
Liner Thickness	0.075 mm	3 mil	ASTM D3652

## Typical Performance Characteristics

Property	Values		Method	Substrate
Peel Adhesion	3.4 N/cm	31 oz/in	ASTM D3330	Stainless Steel
Tensile Strength	50.8 N/cm	464 oz/in	ASTM D3759	
Elongation at Break	100 %		ASTM D3759	
Temperature Use Range	Up to 204 °C	Up to 400 °F		

# 3M™ Polyester Tape 8991/8991L

## Available Sizes

Property	Values	
Standard Roll Length	65.8 m	72 yd

## Handling/Application Information

### Application Ideas

- 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 and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original packaging material.

To obtain best performance, use this product within 24 months from date of manufacture.

### Trademarks

3M is a trademark of 3M Company.

### References

#### Safety Data Sheet (SDS)

[https://www.3m.com/3M/en\\_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en\\_US&co=ptn&q=8991/8991L](https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=8991/8991L)

### ISO Statement

This product was manufactured under a quality system registered to ISO 9001 standards.

# 3M™ Polyester Tape 8991/8991L

## Technical Information

The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

## Product Selection and Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

## Warranty, Limited Remedy, and Disclaimer

Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

## Limitation of Liability

Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

# 3M™ Polyester Tape 8991/8991L



Industrial Adhesives and Tapes  
Division  
3M Center  
St. Paul, MN 55144-1000  
800-362-3550  
[www.3M.com](http://www.3M.com)

Please recycle.  
© 3M 2019. All Rights  
Reserved.

The brands listed above are trademarks of  
3M