



Polyester Tape

8911

Technical Data

March, 2014

Product Description 3M™ Polyester Tape 8911 is a transparent polyester tape with silicone adhesive that can be used in composite bonding, splicing, and applications that may require high temperature, chemical, and abrasion resistance with the benefit of transparency.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Polyester	Silicone	Transparent	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:	26 oz./in. width (29 N/100mm)	D-3330
Tensile Strength:	26 lbs./in. width (440 N/100mm)	D-3759
Elongation at Break:	110%	D-3759
Total Tape Thickness:	2.3 mils (0.05 mm)	D-3652
Backing Thickness:	0.9 mil (0.02 mm)	D-3652
Temperature Use Range:	Up to 400°F (204°C)	

- General Information**
- The transparent polyester backing is thin, yet strong for applications requiring a low profile tape.
 - Polyester film remains flexible preventing failure from cracking.
 - 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.
 - Removes cleanly from stainless steel, anodized aluminum and glass after a 4 hour bake cycle at 350°F (177°C).

- Application Ideas**
- Transparent splicing of silicone treated materials including paper, liners, and films.
 - High temperature label protection.
 - Photo film splicing.
 - A transparent reinforcement for silicone treated paper.
 - Flash breaker tape for metal and composite bonding.

3M™ Polyester Tape

8911

Storage Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

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

Technical Information The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product 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. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 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 OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 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 where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



Industrial Adhesives and Tapes Division

3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-362-3550 • 877-369-2923 (Fax)
www.3M.com/iatd



Recycled Paper
40% pre-consumer
10% post-consumer

3M is a trademark of 3M Company.
Printed in U.S.A.
©3M 2014 (3/14)