



# Transparent Polyester/Silicone Tape

## 8911

Technical Data

March, 2009

**Product Description** 3M™ Polyester/Silicone Tape 8911 is a transparent high temperature polyester tape with a silicone adhesive for use in composite bonding, splicing and other polyester tape applications requiring transparent tape.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Polyester	Silicone	Transparent	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:	26 oz./in. width (29 N/100 mm)	D-3330
Tensile Strength at Break	26 lbs./in. width (440 N/100 mm)	D-3759
Elongation at Break:	110%	D-3759
Backing Thickness:	0.9 mil (0.02 mm)	D-3652
Total Tape Thickness:	2.3 mils (0.05 mm)	D-3652
Temperature Use Range:	Up to 425°F (218°C)	

### Features

- Designed to provide clean removal during masking operations involving high temperatures and pressure.
- Polyester film retains flexibility and thermal resistance to help reduce failures due to cracking.
- Abrasion, chemical and thermal resistance to help reduce failures due to backing deterioration.
- Silicone adhesive helps reduce failure due to softening, oozing, and adhesive transfer.

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- Application Ideas**
- Transparent splicing of silicone treated materials, including paper, liners and films.
  - High temperature label protection.
  - One hour photo lab splicing tape.
  - Electrical insulation tape.
  - Circuit board masking.
  - Masking parts in an anodizing process.
  - Masking edges of overlap seams in metal bonding process where excess epoxy (flash) flows onto tape. Clean-up is complete upon tape removal.
  - Composite and metal bonding – this tape removes cleanly from stainless steel, anodized aluminum and glass after a four-hour bake cycle at 350°F (177°C).

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

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

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**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.

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## 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/industrial



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