



General Purpose Polyester/Silicone Tape

8951 • 8951L (Lined)

Technical Data

Product Description A 1 mil. polyester tape with a silicone adhesive designed for high temperature applications. Specifically used as a flash breaking tape in composite bonding in addition to splicing silicone and non-silicone coated papers and films. 8951L version is lined with a transparent 2 mil. polyester film.

Product Construction	Backing	Adhesive	Liner	Standard Roll Length
	Polyester	Silicone	Transparent Polyester film (8951L only)	72 yds. (66m) unlined 216 yds. (198m) lined

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:	30 oz./in. width (33 N/100mm)	D-3330
Tensile Strength at Break:	30 lbs./in. width (525 N/100mm)	D-3759
Elongation at Break:	100%	D-3759
Backing Thickness:	1 mil (0.03 mm)	D-3652
Total Tape Thickness: (excluding liner)	2.5 mils (0.06 mm)	D-3652
Liner Thickness: (8911L only)	2 mils	
Liner Release: (8911L only)	8 gm/in.	3M™ 1717*
Temperature Use Range:	Up to 425°F (218°C)	

*Note: 180° at 90 in./min.

Shelf Life To obtain best performance, use this product within 18 months from date of manufacture and store under normal conditions of 60°F - 80°F (15° - 27°C) and 40 - 50% R.H. in the original carton.

- General Information**
- This tape is designed to provide clean removal during masking operations involving high temperatures and pressure.
 - The blue color makes it easy to see for removal.

- Application Ideas**
- 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).
 - Holding parts or vacuum bags during bonding process.
 - Splicing silicone treated materials, including paper, liners and films.
 - One hour photo lab splicing tape.
 - Electrical insulation tape.
 - Circuit board masking.
 - Masking parts in an anodizing process.

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Features	Features	Advantages	Benefits
	Polyester film	Retains flexibility and thermal resistance	Helps reduce failures due to cracking
		Abrasion, chemical and thermal resistance	Helps reduce failures due to backing deterioration
	Silicone adhesive	Higher heat resistance than many other adhesives	Helps reduce failure due to softening, oozing, adhesive transfer
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This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.



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