



# General Purpose Polyester/Silicone Tape 8951

Technical Data

March, 2009

## Product Description

3M™ General Purpose Polyester/Silicone Tape 8951 is a polyester tape with a silicone adhesive designed for high temperature applications. Specifically, it is used to break flash in composite bonding as well as splicing silicone and non-silicone coated papers and films.

## Product Construction

Backing	Adhesive	Colors	Standard Roll Length
Polyester	Silicone	Blue, Red	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:	34 oz./in. width (37 N/100 mm)	D-3330
Tensile Strength at Break	26 lbs./in. width (440 N/100 mm)	D-3759
Elongation at Break:	120%	D-3759
Backing Thickness:	0.9 mil (0.02 mm)	D-3652
Total Tape Thickness:	2.6 mils (0.06 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.
- Masking edges of overlap seams in metal bonding process where excess epoxy (flash) flows onto tape as clean-up is complete upon tape removal.
- Removes cleanly from stainless steel, anodized aluminum and glass after a four-hour bake cycle at 350°F (177°C).

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## 8951

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<b>Application Ideas</b>	<ul style="list-style-type: none"><li>• Holding parts or vacuum bags during bonding process.</li><li>• Splicing silicone treated materials, including paper, liners and films.</li><li>• One hour photo lab splicing tape.</li><li>• Electrical insulation tape.</li><li>• Circuit board masking.</li><li>• Masking parts in an anodizing process.</li></ul>
<b>Storage</b>	Store under normal conditions of 60° to 80°F (15° to 27°C) and 40 to 50% R.H. in the original carton.
<b>Shelf Life</b>	To obtain best performance, use this product within 18 months from date of manufacture.
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