



General Purpose Polyester Tape

8952

Technical Data

October, 2009

Product Description

3M™ General Purpose Polyester Tape 8952 is made with a 2 mil polyester backing and a silicone adhesive. It is designed for high temperature applications such as a flashbreaker tape in composite bonding in addition to splicing silicone and non-silicone coated papers and films.

Product Construction

Backing	Adhesive	Color	Liner	Standard Roll Sizes
Polyester	Silicone	Blue	Transparent Polyester Film	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:	43 oz./in. width (47 N/100 mm) D-3330
Tensile Strength at Break:	51 lbs./in. width (893 N/100 mm) D-3759
Elongation at Break:	170% D-3759
Backing Thickness:	2 mils (0.05 mm) D-3652
Total Tape Thickness:	3.5 mils (0.09 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.
- Blue color makes it easy to see for removal.
- Polyester film that retains flexibility and thermal resistance to help reduce failures due to cracking.
- Abrasion, chemical and thermal resistance that helps reduce failures due to backing deterioration.
- Silicone adhesive which has a higher heat resistance than many other adhesives to help reduce failure due to softening, oozing and adhesive transfer.

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- 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.
 - Circuit board masking.
 - Masking parts in an anodizing process.

Storage Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 50% R.H. in the original carton.

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

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ISO 9001:2000

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