

Scotch™ brand No. 8402 Polyester Tape



Technical Data

SCOTCH BRAND NO. 8402 POLYESTER TAPE

DESCRIPTION: A polyester film tape with a silicone adhesive designed specifically for composite bonding and splicing of silicone coated release papers.

CONSTRUCTION:

Backing:	Transparent polyester film
Adhesive:	Silicone with a green pigment
Colors:	Translucent green
Standard Roll Length:	72 yards (66m)

TYPICAL PHYSICAL PROPERTIES: Not Recommended for Specification Purposes.

		<u>ASTM METHOD</u>
Adhesion to Steel:	24 oz./in. width (26N/100mm)	D-3330
Tensile Strength at Break:	33 lbs./in. width (578 N/100mm)	D-3759
Elongation at Break:	120%	D-3759
Backing Thickness:	1 mil (.02mm)	D-3759
Total Tape Thickness:	1.8 mils (.05 mm)	D-3652
Temperature Use Range:	Removes cleanly and remains flexible after 3 hours, 350°F(177°C), in autoclave.	D-3652

GENERAL INFORMATION:

1. Not recommended to exceed one year of storage under normal conditions at 70°F (21 °C) and 50% R.H.

POSSIBLE USES:

Masking edges of overlap seams in the metal bonding process. The excess epoxy (“flash”) flows onto the tape. Clean-up is complete when the tape is removed.

Protective overall mask on panels subject to mild caustic or acid bath etching and to prevent scratches during handling prior to bonding operation.

Holding of parts or vacuum bags during bonding operation.

Mask for metal in acid or caustic chemical milling baths.

Paint mask for areas subject to high temperature bake cycles.

Splicing of silicone liners and papers.

Splicing of films subject high temperatures.

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FEATURES

ADVANTAGES

BENEFITS

Polyester film

Abrasion, chemical and thermal resistant

Resists failures from backing breakdown or shrinkage

Retains flexibility from -60°F to 350°F (-50°C to 177°C)

Reduces failures due to undercutting or splice slippage

Silicone adhesive

Chemical resistance

Resists failures due to undercutting or splice slippage

Higher heat resistance as compared with acrylics

Reduces failures due to splice slippage, softening and oozing

Easy and clean removability

Reduces clean up time due to adhesive transfer

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70-0703-2470-5

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3M Industrial Tape Division

3M Center Bldg. 220-8E-04
St. Paul. NM 55411-1000

