Technical Information

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 will a green pigment
Colors:	Translucent green
Standard Roll Length:	72 yards (66m)

TYPICAL PHYSICAL PROPERTIES: Not Recommended for Specification Purposes.

		ASTM METHOD
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

70-0703-2470-5 Litho in USA with 3M offset plates, film and proofing systems.

3M Industrial Tape Division

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