



Polyester Tape

8403

Technical Data

Product Description A polyester film tape with a silicone adhesive for composite bonding and splicing of many silicone release papers.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Transparent polyester film	Silicone with a green pigment	Translucent green	72 yds. (66m)

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:	27 oz./in. width (29 N/100mm)	D-3330
Tensile Strength at Break:	44 lbs./in. width (772 N/100mm)	D-3759
Elongation at Break:	150%	D-3759
Backing Thickness:	1.5 mils (.04mm)	D-3652
Total Tape Thickness:	2.3 mils (.06mm)	D-3652
Temperature Use Range:	Removes cleanly and remains flexible after 3 hours, 350°F (177°C), in autoclave.	

Shelf Life To obtain best performance, use this product within one year from date of manufacture and store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.

- Application Ideas**
- Masking edges overlap seams in metal bonding process where 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. Helps prevent scratches during handling and provides desired masking during metal bonding and fabrication.
 - Holding of parts or vacuum bags during bonding process.
 - Mask for metal in acid or caustic chemical milling baths.
 - Masking parts in anodizing processes.
 - Splicing of silicone coated papers and films.
 - Paint masking of materials subjected to high temperatures.

Features	Features	Advantages	Benefits
	Polyester film	Abrasion, chemical and thermal resistant	Helps reduce failures due to backing deterioration
		Retains flexibility from -60°F to 400°F (-50°C to 204°C)	Helps reduce failures due to cracking
	Silicone adhesive	Higher heat resistance than acrylic adhesive	Helps reduce failures due to softening, oozing, adhesive transfer and high temperature splice slippage
		Chemical resistance	Helps reduce failures due to undercutting

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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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