

Polyester/Silicone Tape (Temporary)

851ST

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Technical Data			Jan	uary 2007	
Product Description	3M TM Polyester/Silicone Tape 851 ST is a polyester tape with a silicone adhesive designed for powder coating and other high temperature masking applications.				
Production Construction	Backing	Adhesive	Color	Standard Roll Length	
	Polyester film	Silicone	Green	50m	
Typical Physical	Notes: The follow	ving technical	information	and data should be	
Properties	considered representative or typical only and should not be used				
	for specification purposes.				
				ASTM Testing Metho	
	Adhesion to Steel:		idth (33 N/10	0 mm) D-3330,	
	Tensile Strength at Brea	k: 23 lbs./in. w	idth (403 N/1	00mm) D-3759	
	Elongation at Break:	80%		D-3759	
	Backing Thickness:	1.0 mil (0.02	25 mm)	D-3652	
	Total Tape Thickness:	2.4 mils (0.0	60 mm)	D-3652	
	Temperature Use Range: Removes cleanly and remains flexible				
	after 30 min, 425°F(218°C)				
	Abrasian chamica	l and thormal ro	istont		
Features	Abrasion, chemical and thermal resistant.				
	• Removes cleanly from stainless steel after 30 min at 425°F(218°C)				
	• Higher heat resistance as compared with acrylics.				
×	• Easy and clean ren	novability.			
Generation Information	• Not recommended to exceed one year of storage under normal conditions a				
	23°C and 50%R.H.				
Application Ideas	• Masking edges of overlap seams in metal bonding process where the excest 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 operations.				
	• 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.				
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• Splicing of films subject to high temperatures.

3MTM Polyester/Silicone Tape 851ST

For Additional Information	To request additional product information or to arrange for sales assistance, call toll free 1-800-251-8634.Address correspondence to: 3M Electronics Markets Materials Division, Building 810, 222 Tianlin Road, Shanghai, China 200233. Our telephone number is +86-21-22105335			
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