

# 3M™ Polyester Tape 8401

## Product Description

3M™ Polyester Tape 8401 is designed for splicing many release coated papers.

## Product Features

- Increased initial bond can be achieved by applying heat – approximately 250°F (121°C).
- Polyester film resists splice failure due to shrinkage or embrittlement.
- A blended silicone and rubber adhesive to provide a higher initial bond to release treated surfaces than silicone adhesives.



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## Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

## Typical Physical Properties

Property	Values		Method
Color	Translucent Cream		
Total Tape Thickness	0.05 mm	1.9 mil	ASTM D3652
Backing Thickness	0.03 mm	1 mil	ASTM D3652
Backing	Polyester		
Adhesive	Blended silicone and rubber		
Water Vapor Transmission Rate	24.8 g/m <sup>2</sup> /24 hr	1.6 g/100 in <sup>2</sup> /24 hr	ASTM D3833

## Typical Performance Characteristics

Property	Values		Method	Substrate
Peel Adhesion	2.4 N/cm	22 oz/in	ASTM D3330	Stainless Steel
Tensile Strength	59.4 N/cm	544 oz/in	ASTM D3759	
Elongation at Break	100 %		ASTM D3759	

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## Typical Performance Characteristics (continued)

Property	Values		Method	Substrate
Temperature Use Range note	Removes cleanly and remains flexible after 3 hours, 350°F (177°C), in autoclave.			

## Available Sizes

Property	Values	
Standard Roll Length	66 m	72 yd

## Handling/Application Information

### Application Ideas

- Butt splicing of release treated paper.
- Temporary holding and masking while providing easy removal.
- Applications requiring high temperature resistance.

## Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 50% R.H. in the original carton. To obtain best performance, use this product within 12 months from date of manufacture.

## References

Property	Values
3m.com Product Page	<a href="https://www.3m.com/3M/en_US/company-us/all-3m-products/~/~3M-Polyester-Splicing-Tape-8401?N=5002385+3293241709&amp;rt=rud">https://www.3m.com/3M/en_US/company-us/all-3m-products/~/~3M-Polyester-Splicing-Tape-8401?N=5002385+3293241709&amp;rt=rud</a>
Safety Data Sheet (SDS)	<a href="https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=8401">https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=8401</a>

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## ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

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