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## 3M™ Lithographers Tape 616

### Product Description

3M™ Lithographers Tape 616 is an optically transparent and photographically opaque tape.

### Product Features

- Ruby Red UPVC film backing to allow accurate positioning.
- Resists effects of changing atmospheric conditions to allow repeated and extended “burn” times.
- Low caliper backing to minimize ghosting and provide sharper definition.
- Pin-hole free backing to provide continuous opacity to light source to help minimize retouching.
- Firm adhesive which is long aging and resistant to softening to resist oozing during application and storage.



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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	Ruby Red		
Total Tape Thickness	0.06 mm	2.4 mil	ASTM D3652
Backing Thickness	0.04 mm	1.6 mil	ASTM D3652
Backing	Unplasticized polyvinylchloride (UPVC)		
Adhesive	Rubber		

## Typical Performance Characteristics

Property	Values		Method	Substrate
Peel Adhesion	3.9 N/cm	36 oz/in	ASTM D3330	Stainless Steel
Tensile Strength	50.8 N/cm	464 oz/in	ASTM D3759	
Elongation at Break	50 %		ASTM D3759	

## Available Sizes

Property	Values	
Standard Roll Length	66 m	72 yd

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## Handling/Application Information

### Application Ideas

- Opaquing, stripping and edging.
- Splicing.
- Major Industries: Graphic Art, Printed Circuit Board, Paper.

### Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original packaging material.

To obtain best performance, use this product within 12 months from date of manufacture.

## References

### Safety Data Sheet (SDS)

[https://www.3m.com/3M/en\\_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en\\_US&co=ptn&q=616](https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=616)

## ISO Statement

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

## Technical Information

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Industrial Adhesives and Tapes  
Division  
3M Center  
St. Paul, MN 55144-1000  
800-362-3550  
[www.3M.com](http://www.3M.com)

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