

3M

Lithographers Tape

616

Technical Data

January, 2006

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

Construction	Backing	Adhesive	Color	Standard Roll Length
	Unplasticized polyvinylchloride (UPVC)	Rubber	Ruby Red	72 yds. (66 m)

Typical Physical Properties and Performance Characteristics	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:	36 oz./in. width (39 N/100 mm)	D-3330
	Tensile Strength at Break:	29 lbs./in. width (509 N/100 mm)	D-3759
	Elongation at Break:	50%	D-3759
	Backing Thickness:	1.6 mils (.04 mm)	D-3652
	Total Tape Thickness:	2.4 mils (.06 mm)	D-3652

Features	<ul style="list-style-type: none">• Can be qualified to meet MIL-T-40620A.• Ruby Red UPVC film backing to allow accurate positioning.• Resists affects 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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Application Ideas	<ul style="list-style-type: none">• Opaquing, stripping and edging.• Splicing.
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Major Industries	• Graphic Arts; Printed Circuit Board; Paper.
Storage	Store under normal conditions of 70°F (21°C) and 50% relative humidity.
Shelf Life	To obtain best performance, use this product within one year from date of manufacture.
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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



Industrial Business Industrial Adhesives and Tapes Division

3M Center, Building 21-1W-10, 900 Bush Avenue
St. Paul, MN 55144-1000
800-362-3550 • 877-369-2923 (fax)
www.3M.com/industrial



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