



616 Lithographers Tape (Ruby Red)

Product Data Sheet

Updated : March 1996
Supersedes : October 1993

Product Description A UPVC film tape tinted ruby red which is optically transparent and photographically opaque.

Physical Properties
Not for specification purposes

Adhesive Type	Rubber, transparent.	
Backing	0.04mm "Paklon" film.	
Thickness (ASTM D-3652)	70 µm	
Tape Colour	Ruby red.	
Shelf Life	12 months from date of despatch by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity	

Performance Characteristics
Not for specification purposes

Adhesion to Stainless Steel ASTM D-3330	3.9 N/10mm	
Tensile Strength ASTM D-3759	50.9 N/10mm	
Elongation at Break ASTM D-3759	62 %	
Temperature Range Maximum	50 °C	
Water Vapour Transmission Rate	21.7g water/m ² /24h	

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Application Techniques	Best results are attained when applied to a clean, dry and non dusty surface above 0°C.	To improve adhesion ensure firm and even application pressure is applied.	It is not recommended that the tape backing be put in direct contact with the photographic plate during exposure, as staining of the plate could result.
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Applications	Opaquing, stripping and edging. Splicing.	Major Industries: Graphic Arts and Printed Circuit Board. Paper.
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Specifications	Can be qualified to meet MIL-T-4-620A.
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FEATURES	ADVANTAGES	BENEFITS
Ruby red UPVC film backing.	Optically transparent.	Allows accurate positioning.
Thin caliper backing.	Resists effects of changing atmospheric conditions.	Allows repeated and extended "burn" times.
Pin-hole free backing.	Minimises ghosting.	Provides sharper definition.
	Provides continuous opacity to light source.	Minimises retouching.
Firm adhesive.	Long ageing and resistant to softening.	Resists oozing during application and storage.

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Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

3M

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