



Lithographers Tape (Ruby Red) 616

FOD# 1823
page 1 of 2

Technical Data

September 1, 1999

Supersedes October, 1996

Product Description A ruby red translucent tape which is optically transparent and photographically opaque.

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

General Information

- Storage not recommended to exceed one year under normal conditions at 70°F (21°C) and 50% R.H.
- Can be qualified to meet MIL-T-40620A.

Application Ideas

- Opaquing, stripping and edging
- Splicing

Major Industries

- Graphic Arts; Printed Circuit Board; Paper

Features	Advantages	Benefits
<ul style="list-style-type: none">• Ruby Red “Paklon™” UPVC film backing	<ul style="list-style-type: none">• Optically transparent• Resists affects of changing atmospheric conditions	<ul style="list-style-type: none">• Allows accurate positioning• Allows repeated and extended “burn” times
<ul style="list-style-type: none">• Low caliper backing	<ul style="list-style-type: none">• Minimizes ghosting	<ul style="list-style-type: none">• Provides sharper definition
<ul style="list-style-type: none">• Pin-hole free backing	<ul style="list-style-type: none">• Provides continuous opacity to light source	<ul style="list-style-type: none">• Helps minimize retouching
<ul style="list-style-type: none">• Firm adhesive	<ul style="list-style-type: none">• Long aging and resistant to softening	<ul style="list-style-type: none">• Resists oozing during application and storage

Technical Information and Data

The technical information and data, recommendations, and other statements provided are based on tests or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed.

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This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.



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