



# Polyester Tape

8421 White • 8422 Black

## Technical Data

June, 1995

**Product Description** A polyester tape for the photographic industry for splicing most film for processing through the developing chemicals. Also excellent for most general wide web splicing.

Construction	Backing	Adhesive	Color	Standard Roll Length
	Transparent polyester	Rubber with pigment	8421 – Creamy white 8422 – Black	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:	50 oz./in. width (54 N/100 mm)	D-3330
Tensile Strength at Break:	43 lbs./in. width (754 N/100 mm)	D-3759
Elongation at Break:	140%	D-3759
Backing Thickness:	1.4 mils (.03 mm)	D-3652
Total Tape Thickness:	2.5 mils (.06 mm)	D-3652
Temperature Use Range:	Frequently used in chemical baths at 150°F (66°C)	

### General Information

- Remains flexible at -60°F (-50°C) and dimensionally stable to 300°F (149°C).
- Excellent solvent and chemical resistance, especially those found in photographic processes.
- Hot caustics will weaken backing after prolonged immersion.
- 8422 black tape is opaque to light and can work in systems having automatic sensors.

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## Application Ideas

- Pre-splicing of most photographic film for processing (thorough testing and evaluation is suggested due to varying processing baths).
- General wide web splicing.
- Sealing, labeling, protecting and edging where a higher tack crude rubber adhesive is desirable.

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## Features

- Polyester backing
- Rubber adhesive
- Black pigmented rubber adhesive

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## Advantages

- Chemical resistance
- Abrasion and thermal stability
- Excellent shear strength
- Chemical resistance
- Opaque to light sources used in photo processing

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## Benefits

- Helps reduce failures due to breakage
- Helps reduce failure due to shrinkage and breakage
- Helps reduce splice failure due to slippage
- Helps reduce failure due to undercutting and slippage
- Triggers sensing devices for faster handling

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## For Additional Information

To request additional product information or to arrange for sales assistance, call 612-733-1441. Address correspondence to: 3M Industrial Tape and Specialties Division, 3M Center, Building 220-8E-04, St. Paul, MN 55144-1000. Our fax number is 612-733-9175. In Canada, phone: 1-519-451-2500. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-0400.

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**ISO 9002**

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

**3M**

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