

# 3M

# Polyester Tape

## 8421 • 8422

### Technical Data

**Product Description** 3M™ Polyester Tapes 8421 and 8422 are for the photographic industry for splicing most film for processing through the developing chemicals.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Transparent polyester	Rubber with pigment	3M tape 8421 – Creamy white 3M tape 8422 – Black	72 yds. (66 m)

### Typical Physical Properties

**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 (0.03 mm)	D-3652
Total Tape Thickness:	2.5 mils (0.06 mm)	D-3652
Temperature Use Range:	Frequently used in chemical baths at 150°F (66°C)	

### Features

- 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.
- 3M tape 8422 black tape is opaque to light and can work in systems having automatic sensors.

### 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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**Storage** Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 50% R.H. in the original carton.

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**Shelf Life** To obtain best performance, use this product within 18 months 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**

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