



Technical Data Sheet

3M™ Polyester Tape 8422



[Product Details](#)



[Regulatory Info/SDS](#)

Product Description

3M™ Polyester Tape 8422 tape is used for splicing photographic films. Designed to maintain splices during chemical processes.

Product Features

- Frequently used in chemical baths at 150°F (66°C).
- Excellent solvent and chemical resistance, especially those found in photographic processes.
- Aggressive rubber adhesive grabs quickly and adheres well to a variety of films.
- 3M tape 8422 black tape is opaque to light and can work in systems having automatic sensors.

Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Attribute Name	Test Method	Value
Color		Black
Adhesive Type		Rubber
Backing		Polyester
Backing Thickness	ASTM D3652	0.04 mm (1.4 mil)
Total Tape Thickness	ASTM D3652	0.06 mm (2.5 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	5.4 N/cm (50 oz/in) ¹
Elongation at Break	ASTM D3759		140 %
Tensile Strength	ASTM D3759		75.3 N/cm (43 lb/in)

¹ 304 mm/min (12 in/min)

Attribute Name	Value
Temperature Use Range note	Frequently used in chemical baths at 150°F (66°C)
Long Term Temperature Resistance	150 °C (300 °F) ¹
Minimum Long Term Temperature Resistance	-60 °C (-50 °F) ¹

¹ Long Term (day, weeks)

Handling/Application Information

Application Examples

- Pre-splicing of most photographic film for processing (thorough testing and evaluation is suggested due to varying processing baths).
- General wide web splicing, including butt splicing and core starting.
- Sealing, color-coding, protecting and edging where a higher tack rubber adhesive is needed.
- Defect marking.

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	66 m (72 yd)

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

3M™ Industrial Adhesives and Tapes Division
3M Center, St. Paul, MN 55144-1000
3M.com/iatd

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